Spring 2012 Capstone Poster Session

Friday, May 4th, 2012

12pm-4pm

1616 Guadalupe Street, 5th floor
Bretagne Abirached  
*Usability Evaluation of The University of Texas at Austin Degree Audit System* 
The University of Texas at Austin Office of the Registrar  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Dan Knauft

The Office of the Registrar at the University of Texas at Austin maintains and certifies records related to courses, degrees, and students as well as provides online tools for the review of these records, including the Interactive Degree Audit system. Currently, the Office of the Registrar is developing a new degree audit system. The goal of this new system design is to increase four-year graduation rates by providing an online tool that allows students and advisors to better monitor students’ progress towards graduation. To facilitate the development of an intuitive, easy-to-use system, I completed a heuristic evaluation of the existing system in addition to conducting usability testing of the new system with the primary user group, undergraduate students. The usability evaluation was designed to assess various aspects of the system, including: architecture and navigation, layout and design, content, and graphics. Additionally, I interviewed participants to understand user needs and requirements for assessing progress to graduation and planning future coursework using an online tool. The evaluation and interview results were analyzed and compiled into a comprehensive report; the results also guided the development of recommended interface redesign mockups.

Joe Ahearn  
*An Intelligent Book Recommendation System: Research and Taxonomies*  
Legi Libro  
Faculty Supervisor: Melanie Feinberg  
Field Supervisor: Megan Winget

How do individuals decide which books to buy? Are they influenced by book reviews, cover art, recommendations from friends, or other factors? Can these influences be rationalized and quantified? This project continues and extends original research on how to weight book recommendations in order to eventually develop software systems and algorithms for an automated book recommendation system. Such a system would provide book recommendations for readers with better precision and wider scope than current software products. For this project, I worked with Dr. Megan Winget, founder of Legi Libro, to complete a taxonomy of book-recommendation sources and to gain additional data by running directed queries in online forums. Dr. Winget will be able to use this data for further research on book-recommendation efficacy and the development of intelligent book-recommendation systems.
Archivists and records managers encounter a number of challenges working with the creator(s) of the records they endeavor to preserve and make accessible. Such challenges become more evident while assisting the creators in the management of their records, especially in conveying archival principles to those charged with processing their own collections. This capstone project will explore the unique concerns in developing a records schedule, management plan, and processing guidelines for the Southeastern Archaeological Conference (SEAC) in order to facilitate SEAC’s deposit of its records to the Smithsonian Institution’s National Anthropological Archives (NAA). SEAC has not deposited records in the NAA since 1995, due in part to the fact that most extant records are scattered because of the absence of a centralized office. This project will require assessing the current state of SEAC’s records accrued over the past seventeen years in order to develop recommendations and guidelines for its board members. Such guidelines will advise board members on the best ways to arrange their records that not only takes into account the current arrangement of the records currently housed within the NAA, but also best reflects the roles of each board member in relation to SEAC’s functions.

Rachel Appel

Developing a Migration Strategy for Legacy Digital Collections

Harry Ransom Center

Faculty Supervisor: Ciaran Trace
Field Supervisor: Elizabeth Gushee

Digital asset management has become a key utility for repositories as more materials are digitized and more born-digital items are accessioned. As the Harry Ransom Center moves to a new digital asset management system to store its digital objects from its current Digital Images Database, I developed a protocol to coordinate the migration process, accompanied by a metadata schema and controlled vocabulary. My final digital collection migration report includes the following components: 1) an analysis and appraisal plan of materials to be migrated in the art, photography, and performing arts digital image collections based on interviews with curators and my own evaluation of the current database; 2) a digital collections migration prioritization rubric based, in part, on the already extant Ransom Center Digital Collections Development Policy to be used as a reference; 3) and a qualified Dublin Core metadata needs assessment and suggested mappings/schema. My primary recommendations are that the top prioritized records for migration have high patron demand, are complete digitized collections, have robust metadata, were digitized for preservation and access, or were digitized for a specific exhibit. Secondarily prioritized for migration are collections or records that fulfill best practices recommendations for technical requirements. The third tier of migration priority are records that lack suitable metadata or technical requirements and could be subject to weeding.
Selene Arrazolo  
*Developing and Integrating a Lightweight Metadata System into a Data Ingestion Workflow*  
Infochimps, Inc.  
Faculty Supervisor: Melanie Feinberg  
Field Supervisor: Philip Kromer

The purpose of this Professional Experience Project was to design a metadata schema to track and organize distributed massive-scale data assets, and to implement a lightweight online catalog based around that scheme. The catalog system is part of the core product offered by Infochimps, an Austin-based technology company. Some challenges for organizing the data included issues surrounding distribution, file mobility, and working with numerous file systems. The schema was designed by identifying commonalities in the data, surveying how users organized without a coherent schema, researching case studies, and applying standard practices. The result is a system that enables knowledge discovery, versioning, and provenance. This was accomplished by finding a balance between engineering constraints; accommodating diversity of metadata; pinpointing standards that worked for us; and learning new programming skills. The implementation process included pulling in assets' metadata into a database, building an application to browse and query the catalog, training engineers to apply the scheme, and employing helper tools to gather metadata, recommend a filesystem location, and register the asset in the catalog. The cataloging system was designed for the constraints of big data, and has lessons for cataloging practices in any environment where centralized indexing and cataloging are impractical.

Jennifer Avery  
*Children's Programming in the Public Library*  
Cedar Park Public Library  
Faculty Supervisor: Loriene Roy  
Field Supervisor: Kit Coates

From my capstone I have obtained experience in providing programming for children and gained familiarity with the every-day activities and overall character of a children's area in a public library. I planned and implemented three events for the Cedar Park Public Library: Sweetheart Storytime for Valentine’s Day, a Pokémon Party during Spring Break, and a come-and-go activity for National Library Week. At the end of the project, I gave the Cedar Park Public Library a binder that I compiled of resources for future children's programming. Over the semester, I worked each week at the children’s reference desk at the Cedar Park Public Library. During these hours I answered patrons’ questions, assisted with program preparations, supervised computer use, and maintained this area of the library. The Cedar Park Public Library's variety and number of programs is substantial and yet I sensed a comfortable community-centered environment while there. The Children’s Librarians supported my efforts in gaining experience through advice and by welcoming my observance of their professional lives. Completing activities independently gave me confidence and knowledge in providing services to children and their families.
Nadia Barclay  
*Developing the IC² Institute’s Online Publishing System*  
IC² Institute  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Prentiss Riddle

The purpose of my capstone project was to build the foundation for a comprehensive online publishing system that merges a dispersed collection of physical and digital publications produced by researchers at the IC² Institute at The University of Texas at Austin since its establishment in 1977. The publishing system uses the UT Digital Repository and IC²’s new website with enhanced search and browsing features. My task was to create a comprehensive catalogue of publications, including books in the IC² George Kozmetsky library, publications on the current and past IC² website, and various existing publication lists. The next step was to build a foundation for the collection on the UT Digital Repository by submitting publications with metadata, keywords, and abstracts. To facilitate future work on the catalogue and submissions to the digital repository, I created a Collection Management Guide with instructions for using DSpace, a list of standard keywords for the IC² collection, and file-naming conventions.

Becky Bessinger  
*Creating an Oil and Gas Industry Information Portal for Investment Professionals*  
Austin Ventures  
Faculty Supervisor: Diane Bailey  
Field Supervisor: Mike Millard

Austin Ventures (AV) is a growth equity and venture capital firm that invests in a variety of growth industries. For my Professional Experience Project, I created a Google website that will help inform AV professionals about the oil and gas industry. The website is divided into three parts: oil and gas news, investments, and general resources. In constructing the website, I first aggregated RSS news feeds for the following subjects: finance and investment; specific shale; exploration and production; storage, transportation, and piping; and refining, distribution, and marketing. Second, I used Capital IQ and online business information sources to determine the top investors, mergers and acquisitions, and initial public offerings in each market segment for a ten-year period (2001-2011). Finally, I collected general resources including industry reports, rig counts, industry reviews and forecasts, and other information. The project taught me how to conduct industry research using a variety of online, print, and primary research techniques, in addition to how to prioritize information relevance. The deliverable will help AV professionals make private equity investment decisions related to different industry segments.
The rapid growth of published biomedical research can at times make searching this body of literature a challenging process. The primary search tool for the Medical Library at Dell Children’s Hospital is the National Library of Medicine’s PubMed, but a variety of emerging and lesser-known search tools could supplement the use of PubMed in the library’s workflow, which includes regular reference and searching assistance for physicians, nurses, and students. In 2011, Zhiyong Lu of the National Center for Biomedical Information published a review identifying 28 free, web-based biomedical search tools emerging from academia and industry. Lu groups these tools into four categories: Ranking, Clustering, Semantics and Visualization, and Improving Search Interface and Retrieval Experience. This project researches and evaluates these search tools in the context of the pediatric hospital library. The search tools are evaluated by testing them against search requests received by the library, comparing PubMed to each system in Lu’s review. The final outcome is a detailed report on the nature, advantages, and disadvantages of each system, along with tips on how to use them and recommendations on the most useful systems in the pediatric context. Accompanying this report is a short summary guide for the Medical Library.
I designed and contributed to the development of a web-based information visualization of environmental monitoring data for Sutton Hall at The University of Texas at Austin. This project is part of the ongoing efforts of the Smart Building Initiative, a research group whose goal is to transform building energy consumption on campus through education and awareness campaigns. I worked under the supervision of Prof. Riley Triggs from the Department of Art and Art History. My project consisted of three main phases. The first was to gain an understanding of the user needs which we accomplished by conducting interviews with possible stakeholders. In the second phase, I developed both low and high fidelity prototypes of the different visual layouts and possible web based interactions that would support the story that we wanted to tell. The third phase is ongoing and consists of full system implementation and testing.

The Film Collection at the Harry Ransom Center (HRC) at the University of Texas at Austin (UT) acquired more than 1300 open reel audiotapes from radio station KUT in 2011. The Longhorn Radio Network Collection (LRNC) consists of eight British radio dramas that featured stars such as Orson Welles and Laurence Olivier. As early as 1958, the year it went on air, KUT had many of American producer Irving Feld’s versions of these series, which its staff continued to copy through the 1980s. My objective was to compile an inventory, conduct a preservation assessment, compose a processing workflow, and study the LRNC. I grouped the tapes by series and episode number, and observed the condition of the housing and the tape. Next, I sampled tapes from different decades, capturing preservation quality digital copies while they played. The discovery of 1950s Public Service Announcements on episodes of “The Lives of Harry Lime” established the workflow: attend to them first. A fellow iSchooler, whom I trained to use audio playback equipment and software, helped me to digitally convert a complete run of the series. Later, when I learned of the Irving Feld Collection (IFC) at the UT Fine Arts Library (FAL), I arranged to transfer the LRNC to the FAL, to complement the IFC. An inventory, my preservation assessment, copies of the digitized preservation masters, and my paper about the history of the LRNC will accompany the open reel audiotapes from the HRC to the FAL in April 2012.
Alison Clemens
Literary Curation at the Harry Ransom Center
Harry Ransom Center
Faculty Supervisor: Ciaran Trace
Field Supervisor: Joan Sibley

My capstone experience served as a convergence of my background and interest in archival practice, literary manuscripts, and museum studies. To begin my project, I arranged, described, and preserved the papers of the novelist and short story writer Daniel Stern, housed at The Harry Ransom Center, a leading institution for literary collections. Processing entailed determining an arrangement that would be both in accordance with Stern’s original order and of use to scholars. I produced a DACS compliant finding aid; I then encoded the finding aid in EAD. During this stage, I also identified collection highlights for a post on the Ransom Center’s blog, Cultural Compass; this post included the curation of a small digital exhibition. I also used these, and additional, collection highlights to curate an exhibition in the Ransom Center’s reading room. Finally, I created a proposal for a full-scale, in-house exhibition proposal for the Stern Papers. The capstone experience taught me invaluable skills in the management and presentation of literary manuscripts.

Emily Coleman
Constituent Relationship Management System for College Forward
College Forward
Faculty Supervisor: Randolph Bias
Field Supervisor: Austin Buchan

College Forward provides college access and college persistence services to motivated, economically disadvantaged students. The organization’s success has lead to rapid growth and evolving information needs. An assortment of stand-alone data tracking methods developed over time and was once manageable. However, the future plans and goals of the organization require a better system for managing data from programs and students. The current practices detract from College Forward’s ability to fulfill their mission of helping students. A system with improved ease of use, centralization of data, and agile tracking and reporting capabilities will improve program quality and aid in decision-making. After considering several constituent relationship management (CRM) options, College Forward selected Salesforce.com and developed an instance to suit their specific needs. For the project I worked with key stakeholders to understand the system requirements, assisted in ensuring that expected features were delivered, and conducted user testing to provide user input for the design.
Ian Collins  
*Digtal Curation via Omeka: The Tobenkin Collection of Soviet Pamphlets*  
The University of Texas Perry-Castañeda Library  
Faculty Supervisor: Melanie Feinberg  
Field Supervisor: Amy Rushing  

The Omeka platform is a relatively new addition to the world of digital curation. For this project I have evaluated the effectiveness of Omeka both in regards to its functionality and in regard to how it can compliment the existing UT Digital Repository by experimenting with the software and creating a digital library of Soviet Pamphlets. Tested behaviors include how Omeka handles harvested metadata, how it connects with files that already exist on the UT DR, and learning curve of the software itself. The final digital library that will be delivered will be organized and arranged in a way that promotes positive usability and designed in a way that updates the look of the existing collection. An online exhibition highlighting some of the noteworthy pamphlets will also be connected to the library, to serve as another entry point for those interested in the materials. This project will set a foundation for more digital collections to be curated with Omeka, which would ultimately form a stylish front end for both the UT Digital Repository and UT Library website that would allow them to be available for research worldwide.

Bonnie Cope  
*ACCESS Wiki*  
The Texas State Library and Archives Commission Talking Book Program  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Jennifer Ronsen  

The Texas Talking Book Program, a division of the Texas State Library and Archives Commission, relies on the legacy automation application ACCESS to provide service to 14381 active patrons. Originally developed in the early 1980s, ACCESS sets the standard for automation systems in the National Library Service network, continuing to outperform vendor options for a fraction of the cost. The focus of my capstone was to create a wiki to support the ongoing maintenance and development of ACCESS, as well as efforts to reengineer the application and its associated database. Using MediaWiki software, I worked closely with the Automation team to structure and organize the “ACCESS Wiki” in order to make the massive amount of documentation produced over the ACCESS application’s lifetime more accessible. The “ACCESS Wiki” functions as a place to preserve and provide access to continuing born-digital documentation as well as 5 cubic feet of original programmer Robert Helfer’s print materials, and as a tool to support collaboration between members of the Automation team.
The H.J. Lutcher Stark Center website is the center’s online portal for information concerning events and collections. One of the original goals of the center was to make documents pertaining to the field of physical culture and alternative health care available for research. The current website provides various information to multiple audiences, but the center feels it could do more to promote and aid Researchers, a desired core audience. My work for the center has dealt with attempting to better understand the needs and practices of this user group and how they relate with a digital environment. Key aspects of my project included surveys, interviews and a website usability study. Using the results of the study I developed a persona for this user group so the center can have a better understanding of this audience. I also compiled and evaluated the study results to formulate recommendations and design wireframes for possible changes to the website that the center can implement if they choose to target Researchers.

Emily Couvillon
Researching Grant Opportunities for Cedar Park Public Library
Cedar Park Public Library
Faculty Supervisor: Melanie Feinberg
Field Supervisor: Julia Mitscheke

Grants are an important source of funding for public libraries, but finding relevant grant opportunities can be a time-consuming process for librarians already working demanding hours. The goal of my capstone project was to simplify the grant seeking process for Cedar Park Public Library by identifying potential sources of grant funding for CPPL programs, collections, and equipment. I began my research by reviewing the library’s current funding sources, gathering census data, and interviewing individual staff members about their funding needs to create a needs assessment. I also worked weekly hours at the reference desk throughout the project to gain a better understanding of CPPL patrons’ information needs. Once I completed the needs assessment, I researched grant opportunities for continued funding using foundation and corporate directories, government websites, and publicly available tax filings. My work culminated in a report identifying potential funding sources and a recommendation describing initial priorities for pursuing grant opportunities.
During the 1970s, Austin earned its worldwide notoriety for live music. The Armadillo World Headquarters was a venue at the heart of this development and a cornerstone of the Austin music scene from 1970 to 1980, welcoming acts of different genres and bringing many different types of music fans together in one place. In 2009 and 2010, KUT's program Texas Music Matters (along with reporter, Austin resident, and Armadillo attendee Ann Leifeste) collected photographs and ephemera and recorded hundreds of hours of interviews from Armadillo regulars to document what the Armadillo World Headquarters was like during its prime. The interviews from the Armadillo World Headquarters Oral History Project were edited into an hour-long radio program called "The Armadillo at 40," but neither radio listeners nor researchers had access to the remaining interviews and materials until now. My job was to track down, catalogue, and reformat these materials so they could be housed and hosted by the Dolph Briscoe Center for American History.

The purpose of the project is to drive a Twitter-based social media campaign focused on Trapit's collection development project. I worked to help them find the newest, most niche, and most reliable Internet sources and blogs (or going through what's already being aggregated and taking out what's computer-generated or unreliable), while building an engaged social media community for them. The Twitter account is @trapitsources. The main focus of the capstone was managing the Twitter account, while doing research into other areas for them to develop their external social media. To help guarantee the success of the Twitter campaign I researched successful campaigns after which I could model the Trapit account. The culminating project was a presentation for Trapit personnel including site metrics and recommendations for how to proceed with the Twitter account. It also included a completed blog documenting the progress of the account/community.
Amy Davis  
*Environmental Law Clinic Public Participation Guide and Wiki*  
The University of Texas at Austin School of Law  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Kelly L. Haragan

The Environmental Law Clinic at the University of Texas at Austin School of Law works towards environmental justice by advocating for low-income Texas communities. Litigating environmental issues and community organizing are two of the ways the clinic seeks to address environmental inequities. In addition to focusing on particular causes and communities, the clinic also publishes a public participation guide for citizens interested in participating in the permitting, enforcement, and rule-making actions of government environmental agencies. The laws and regulations governing citizen participation are dense and complicated. For my capstone, I will research public participation guidelines, update the guide’s contents, and organize the information to make it usable by citizens. Lastly, I will create an online wiki to promulgate the guide’s information electronically. After the wiki’s initial launch, I will also conduct a usability test on the wiki to find problems in navigation and design. The goal of my capstone is to create a print and electronic resource that will effectively integrate complex legal information into an easily understandable and usable format.

Rachele DiTullio  
*User Experience Design in Enterprise Software*  
OpenText Corporation  
Faculty Supervisor: Diane Bailey  
Field Supervisor: Robin Silberling

The OpenText Austin Engineering team is currently building version 8.2 of its flagship content management software product, Web Experience Management. Two of the top 10 critical findings from summative testing performed on WEM version 8.0 involve improving the UI for users choosing content items and containers from the content repository. I worked with the User Experience team to assess these issues and to design interface improvements. The primary goal of the project was to address these issues within a single UI framework that could be used for any type of system object a user needs to select and for selecting items in both single and multiple contexts. I developed my initial designs into functional, low fidelity prototypes and created a usability study for evaluating their effectiveness across nine common tasks. I then conducted six usability tests with students, employees and current customers and compiled my findings and design recommendations into a report and presentation for internal stakeholders.
Natalia Em

*Academic Sharing: An Open Web Portal for Educators*

Yahoo! Inc.

Faculty Supervisor: Luis Francisco-Revilla

Field Supervisor: Pat Brogan

AcademicSharing.org is a web portal offering educational materials in the areas of advertising, information science, computer science, and business and is a result of collaboration of the University of Texas at Austin, University of Washington, and Yahoo! Inc. The portal allows free access and sharing of such educational materials as syllabi, handouts, presentation slides and the like. As a member of a usability team, my work entailed conducting an online survey to gather user needs, creating wireframes of the portal’s user interface, conducting usability evaluation of the system’s early prototypes, and gathering user feedback through interviews.

Brooke Everett

*Information Management for Convio Project Managers*

Convio

Faculty Supervisor: Diane Bailey

Field Supervisor: Bennett Donovan

Project managers at Convio, a company that creates software for nonprofits, struggle to communicate and share information with fellow project managers. In particular, communication is difficult because project managers store this information in several places, including individual local computer folders, network folders, and Google Docs, making it difficult for others to retrieve information related to phases of projects for CRM, constituent engagement, and event fundraising products. Through methods of contextual inquiry, ethnographic interviews, and content analysis, I developed a standardized status report template to enable better communication for project information. Via the template, project managers can automatically generate reports with information they enter into Salesforce. I also created a wiki-based document management system to help project managers organize and share documents, templates, and other tools used in managing client projects. Through card sorting and task analysis, I designed a schema to organize the wiki. I uploaded and organized templates, instructional content, and approved examples to be used in different kinds of Convio application deployment and maintenance projects. Finally, I made recommendations to keep the new system organized, relevant and useful.
Developing Guidelines for Evaluation and Appraisal of VHS Collections
The Texas Archive of the Moving Image
Faculty Supervisor: Megan Winget
Field Supervisor: Megan Peck

The Texas Archive of the Moving Image (TAMI), an organization dedicated to the preservation of Texas film heritage, acquires approximately 4,000 moving image objects annually. In 2011, 22% of those objects were VHS, and that number is expected to rise in the coming years. The amount of VHS that exists and needs to be preserved is astounding, as is the file size of a digitized tape, and because VHS was so affordable, the content is often not strategic or selective. TAMI, like other small archives, cannot afford to permanently store all of the VHS it digitizes for donors, nor can it afford to make them all available online. I explored problems in evaluation and appraisal of VHS in small, regional collections by performing a case study of the materials acquired by TAMI at its El Paso Film Roundup in 2011. I began with a period of research on traditional archival appraisal. Then, in a series of experiments, I applied possible appraisal and sampling methods to VHS collections in order to determine the most efficient and representative method of selection for permanent retention and placement in the online library. I examined the resultant content of various samples against the online library as a whole, and, with a strong consideration of the time invested in describing and appraising a collection as an expenditure of human resources, I developed a set of guidelines outlining an evaluation process and a set of criteria for use when working with VHS. I then applied those guidelines to three VHS collections from the El Paso Roundup, creating three fully cataloged and indexed collections for TAMI’s database, as well as selected segments from each collection for the online library.

The University of Texas Libraries Foreign Language Collection Development
The University of Texas Libraries
Faculty Supervisor: Philip Doty
Field Supervisor: Janelle Hedstrom

Beginning foreign language materials can be difficult to find at the UT Libraries due to its use of the subject-based Library of Congress classification system. Students searching for phrasebooks to prepare for an upcoming study abroad trip or foreign language education students who are searching for beginning-level textbooks are often sent in many directions to find these items. In addition, librarians must navigate a seemingly endless list of subject headings to find what students are looking for. For my Professional Experience Project, I created an online guide using Drupal to finding beginning foreign language materials at the UT Libraries and listing free online resources as well as materials that are available at Austin Public Library. This guide will be located on the Education Research Guide page of the UT Libraries’ website (http://www.lib.utexas.edu/subject/education/index.html). The guide includes relevant subject headings, popular language learning materials (i.e. Pimsleur, Learn-While-You-Drive, etc.) and free online resources.
Copybooks, also called letterpress books, were an early recordkeeping technique, allowing senders and recipients of letters to maintain copies of their correspondence. However, they pose a problem for archives because their tissue-thin pages often disintegrate, fade, or become damaged over several decades in storage, especially since writers typically used iron gall ink, which can be highly corrosive to paper. This is a project to develop parameters for future digitization projects of copybooks in order to digitally preserve material in various states of damage. The three copybooks examined for this project include official letters from Thomas Franklin Harwood (1889-1945) (books dated 1894-1945) and Alexander Watkins Terrell (1827-1912) (book dated 1896-97), who were active during the post-Reconstruction era in Texas. Techniques for the project include taking digital photographs of selected pages from the copybooks under various light and background conditions, digitally remastering the images, and preparing them for entry into the Briscoe center's digital repository.

With a subpoena in one hand and a donor agreement in the other, what choice should an ethical archivist make? Since the legal battle over the Belfast Project—a collection of oral histories from Northern Irish paramilitaries about their involvement in the Troubles—at Boston College erupted in 2011, such a scenario has become a reality. With U.S. attorneys demanding access in the name of truth and justice, and historians advocating denial for the sake of scholarship and honor, the archival profession is facing some troubling legal and ethical issues. Regardless of the ultimate fate of the Belfast Project, the archival field will have to adapt to a new reality. This reality will have to consider the effects of the law and oral history practices on archives. Should archives be granted privilege recognized within the legal system? Should there be oversight for oral histories? Should archives offer privacy protections for third parties? How can the archival community address these issues? This thesis will use the Belfast Project to analyze legal and ethical issues facing archivists and explore what this means for the future of the profession.
Savannah Gignac

*Developing a Digitization Strategy for Audio-Visual Collections*

The University of Texas Human Rights Documentation Initiative

Faculty Supervisor: Karen Pavelka

Field Supervisors: T-Kay Sangwand and Anna Lamphear

The original objective of my Capstone was to create digital preservation masters and digital accessibility of raw footage from the 1997 WITNESS documentary, "Bought and Sold: An Investigative Documentary about the International Trade in Women". This material is from the HRDA's partner organization, WITNESS, a Human Rights organization. The collection is currently held in the Human Rights Documentation Archives (HRDA) at the University of Texas. The raw footage is in the analog format of 26 NTSC Hi8 video tapes. With both the PCL's Digital Lab and HRDI's assistance, I have developed a policy and procedure manual for the digitization of Hi8 materials. This project will be put into the workflow of both the Digi-lab and HRDI after my Capstone has been completed. By using Final Cut Pro, proper technical equipment and Glifos, the raw footage files have been made accessible to UT scholars as well as being digitally archived and preserved for future use. The mp4 files without copyright restrictions have been uploaded to Glifos and featured on their own webpage, accessible to the UT community.

Sara Gore

*Building a Library: The Revamping of the Art Education Resource Room*

The University of Texas at Austin Department of Art and Art History

Faculty Supervisor: Megan Winget

Field Supervisor: Kara Hallmark

The Art Education program here at the University of Texas, a small graduate program within the Department of Art and Art History, has long maintained a closet of resources for faculty and student use. The collection was an unorganized hodgepodge of media, including textbooks, outdated software, VHS tapes, and art prints. I helped turn this resource into a lending library, where users could search for and check-out items. I exercised my management skills in procuring furniture and supplies. I set up a circulation system and cataloged all of the current items in the collection. I worked with the field supervisor to create lending policies for the resource room, and left instructional documentation for the future TAs who will manage the room on how to catalog items and maintain the systems. The result of my capstone will be the transformation of a closet of media to a usable library and work center within the department.
Ryan Haecker
The University Catholic Student Center Library
The University Catholic Student Center
Faculty Supervisor: Loriene Roy
Field Supervisor: Lindsay Wilcox

Ryan Haecker volunteered to organize the library of the University Catholic Student Center (UCC) during the Summer of 2011 and the Spring of 2012. The UCC possessed a small library consisting of an estimated 2,000 books, encyclopedias, reference works, and periodicals, including many large and valuable collections. These materials had formerly been organized by subject according to the Dewey Decimal system: a small card catalog listed the content and location of the books within the collection. However, the library contents had since fallen into disarray and a significant portion of the collection remained either un-cataloged or misplaced. Due to these concerns, the UCC library was desperately in need of concerted re-organization. The UCC Library formerly had cataloged its collection with a small paper-bound card catalog. Ryan Haecker researched and used the open-source software Koha, “the Gift”, to create a database server on a Linux operating system. After installing the database on the UCC computers, Ryan Haecker organized a student volunteer-effort to re-catalog the UCC Library collection. The product of these efforts has been the restoration of the UCC Library collection and the re-organization of its content around a new digital library catalog database.

Wendy Hagenmaier
Exploring the Future of Digital Scholarly Editions: A Case Study of the Letters of Katherine Anne Porter
University of Maryland Libraries
Faculty Supervisor: Tanya Clement
Field Supervisors: Beth Alvarez, Jennie Anne Levine Knies, and Trevor Muñoz

In an era of “big data” and XML-encoded “stacks,” what is the role of the library or archive in the creation of scholarly editions? What form should digital editions of the future take? These are the questions I investigated on behalf of a team at the University of Maryland Libraries. I began by conducting a literature review on best practices and evolving trends in the production of digital scholarly editions. In an attempt to determine the salient features of such editions, I interviewed archivists, librarians, and digital humanists who offered insight on their own work with digital collections. This research provided context for the next phase of the project: a plan for a digital scholarly edition of Katherine Anne Porter’s correspondence, housed in Maryland’s Special Collections. With the ultimate goal of creating wireframes for a digital edition of Porter’s letters, I drafted a name authority index, a gazetteer, and a TEI keying specification. The project as a whole served as an examination of how emerging digital practices could be considered a new wave in the longstanding tradition of libraries and archives publishing scholarly editions and how the librarian and archivist of the future might approach the stewardship of digital edition data.
Rebecca Halpern  
*Beyond the Annual Book Sale: A Model for an Environmentally Sustainable Post-Weeding Process*  
Master's Report  
Faculty Supervisor: Melanie Feinberg  
Second Reader: Loriene Roy

Social activism is inherent in librarianship. As community stewards, librarians routinely develop solutions to complex social issues. Increasingly, one of those issues is climate change. As the reality of climate change becomes more apparent, libraries are faced with their role in environmental sustainability, reducing carbon emissions, and supporting healthy communities. There has been much work on how to build greener collections and improve library facilities, but little attention has been paid to the role of weeding—specifically, what happens to deaccessioned materials. The Austin Public Library developed an innovative, creative, and long-term model for recycling their core commodity. The Recycled Reads bookstore offers a useful example of how an urban library system recycles weeded print and media materials in such a way that 100 percent of their materials are diverted away from landfills. Through stakeholder buy-in and working closely with community and corporate partners, Austin Public Library's Recycled Reads facility is a model any library system could adopt to address environmentally responsible weeding policies.

Jacklyn Harris  
*Data Visualization for the Texas Comptroller's Office*  
Texas Comptroller's Office  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Beth Hallmark

The Texas Comptroller’s Office oversees the finances for the State of Texas. As a government office, its goal is to reach out to Texas citizens, businesses and local governments, and it uses several avenues to reach its audience, including web and print publications. Recently the office has created several new Web sites that focus on data transparency and open government. For my capstone project, I look at how the Comptroller can use data visualization and infographics on its Web sites to reach its target audiences. The field of data visualization is fairly new and growing rapidly. A myriad of tools are available that require unique skill sets, cost varying amounts, provide different outputs, and put numerous constraints on the data. And professionals in the field espouse contradictory theories about the proper practice of creating data visualizations. Through studying academic papers, following the data visualization professional industry, interviewing experts, and researching tools and best practices, I have created a report for the Comptroller’s Office that details a path forward. I look at the reasons for incorporating data visualization in its publications, what tools should be used for reaching different audiences and representing different types of data, and how to create a successful data visualization program.
Sara Hawkins  
*Data-Driven Design and Evaluation of a Music Website*  
Eye in the Sky Collective  
Faculty Supervisor: Randolph Bias  
Field Supervisors: Anthony Erickson and Coleman Stevenson

Eye in the Sky Collective is a local start-up that aims to help musicians manage their business and connect to their fans through a web community that includes streaming audio, e-commerce, music discovery and artist patronage. In order to help them design the structure and function of this website, I conducted mixed methods user research using surveys and semi-structured interviews with representatives of a variety of user groups. The results of this research informed my design recommendations for their website, specifically a simplification of the homepage content and the implementation of a visually engaging music discovery and listening experience that taps into user enjoyment of physical browsing in brick-and-mortar music stores. After developers implemented the design, I used both web analytics data and heuristics to inform end-user testing that focused primarily on the playlist creation function, band homepages, and the e-commerce process. The results of these tests were then used to make additional design and functionality recommendations for the next iteration of the site.

Amy Heaton  
*Cataloging E-Audiobooks in a Public Library*  
Cedar Park Public Library  
Faculty Supervisor: Glynn Harmon  
Field Supervisors: Julia Mitschke and Sandra Gonzalez

Cedar Park Public Library offers its patrons downloadable digital audiobooks through the vendor OneClick Digital. Though the Library has had this service for several months, the records for these e-audiobooks have not been touched since initially being imported into the catalog. This has led to inconsistencies in the catalog, making this service being difficult to use without librarian assistance. The goal of my project was to update these records for easier patron use. Previous to this project, the e-audiobook records were not linked within the catalog. Now, once patrons find one e-audiobook record, they will be able to access the entire collection through a linkable subject field tag. For the e-audiobooks that are part of a series, I updated their records to link to the Library’s other holdings within the series, which in many cases meant also updating the records for series books in many other formats. I also revised catalog records so that all copies of each title I encountered, regardless of format, have matching series and subject fields. Additionally, I cataloged new books for the Library’s collection, including a broad range of books in the fiction and non-fiction, hardcover and paperback, and adult and juvenile collections.
Stacey Helmerich  
*Building Development Resources*  
Women.Design.Build  
Faculty Supervisor: Megan Winget  
Field Supervisor: Christina Mirando

Women.Design.Build (WDB) is a nonprofit organization that brings local experts and learners together for collaborative design, construction, and landscaping skill-building workshops. Recently, WDB has expanded their outreach to include elementary school students and single mothers by partnering with Communities in Schools and St. Louise House. As the organization’s services grow, they require increased funding and better preparedness for grant seeking. For my capstone, I focused on three areas to help them create a sustainable, flexible resource for current and future fundraising efforts: grant writing and research, identity asset creation, and further education. Grant writing involved writing letters of interest, grants, and researching viable funding sources. Identity asset creation was filmmaking, video CMS assessment, and archiving unedited clips in a portable hard drive. I also wrote a literature review, collecting articles supporting the apparent need for WDB in the community. For further education, I took seminars and webinars on film production for nonprofits and grant writing, and reviewed several. The purpose was to create a base course of work and guide system for other fundraisers to follow. Most work is housed in a Wordpress blog designed for simple collaboration and access of information.

Timothy Herr  
*Books and Reading in Virtual Environments*  
Master’s Thesis  
Faculty Supervisor: Tanya Clement  
Second Reader: Megan Winget

This thesis deals with the topic of virtual books: digital artifacts that visually emulate the physical qualities of codices. We will investigate the diegetic role of books in three types of virtual environments: single-player video games in the adventure and role-playing genres, "massively" multiplayer online games (MMOGs), and socially oriented virtual worlds such as Second Life. We will evaluate the relative strengths and weakness of different environments as sites of leisure reading; this analysis will take into account visual design aspects of virtual books as well as how their narratives relate to the diegetic worlds that contain them. The findings will enable us to sketch a tentative model of reading within virtual environments as an everyday life activity, as well as to situate this model in relation to current theoretical analyses of leisure reading. Finally, we will briefly discuss the ramifications of our findings for the fields of software design, library collection development, and publishing.
Jessica Higgins  
*Digital Repository for the Prints and Drawings Collection at the Blanton Museum of Art*  
Blanton Museum of Art  
Faculty Supervisor: Unmil Karadkar  
Field Supervisor: Catherine Zinser

The Prints and Drawings Collection at the Blanton Museum of Art serves as a valuable teaching tool for faculty at the University of Texas; however, viewing detailed records for the collection is possible only by visiting the Blanton. Instead, professors tend to rely on curatorial staff to provide suggestions of relevant works. This practice has resulted in a small pool of items being viewed repeatedly, while many other prints and drawings go unnoticed, ultimately limiting access to this collection. The goal of this project was to create a prototype digital repository in order to facilitate digital access to the collection. First, I conducted a needs assessment by interviewing Art, Art History, French, and Architecture faculty at UT. With the results of these interviews in mind, I evaluated metadata standards for describing works of art and selected CDWA Lite (Categories for Description of Works of Art). Then, using Collective Access and controlled vocabularies, I populated the repository with a representative sample of works and solicited feedback from faculty. The resulting repository highlights relationships between works, provides a manageable and reliable search interface, and makes items in this vast collection more discoverable.

Shannon Hildenbrand  
*Preserving Folk Dance History*  
Society of Folk Dance Historians  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Ron Houston

Founded in 1987 by two iSchool alumni, the Society of Folk Dance Historians collects and preserves material related to recreational international folk dancing in the United States and abroad. Their extensive collections include both paper-based and audiovisual materials, and represent the records of both individual members of the folk dance community and dance organizations around the world. For my Capstone project, I worked to make these collections more accessible to practitioners, scholars, and other users of the archives. Along with another Capstone student, I created and implemented a best practices plan for cataloging and digitizing the SFDH’s considerable collection of Hi-8 and VHS tapes. The SFDH now holds digital archival files and access copies of these materials, ensuring both long-term preservation and current access for users. I created a similar best-practices guide for updating and adding to the Society's current catalog of LP’s from across the globe. Finally, I arranged and housed 41 linear feet of unbound documents describing dances and their histories, to benefit awareness and use of the archival collections.
Natalie Hill  
*Analysis of iOS and Android Mobile Platform Interaction Models*  
RED Method, Inc.  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Joshua Wingstrom

Experts predict that by 2016 mobile devices will outnumber PCs. Mobile phones have rapidly evolved into ubiquitous computing devices that are essential to the organization and navigation of everyday life. Consequently, mobile user interface design has grown into a booming industry. I believe an app’s success can be measured by its ability to effectively engage the user, provide meaningful content, and promote a memorable yet transparent mobile computing experience. My Capstone project with RED Method, Inc. explores the nuances between iOS and Android mobile platform interaction models. After completing background research using market data and iOS, Android, and Windows mobile user interface guidelines, I conducted a literature review of scholarly papers related to mobile device interaction modeling. Next I performed user testing with RED’s “Event Method” app on both iOS and Android platforms. After distilling and analyzing the quantitative and qualitative data gathered through the user testing sessions, my Field Supervisor, Joshua Wingstrom, and I produced an academic paper detailing the project.

Michelle Hinojosa  
*Developing Documentation at a Start-Up*  
Adlucent, LLC  
Faculty Supervisor: Diane Bailey  
Field Supervisor: Nick Herman

This semester I have been investigating how the documentation and sharing of knowledge can be improved at an advertising firm, Adlucent, LLC. Adlucent is a rapidly growing company that is constantly innovating its work processes, and as such presents unique challenges even as it recognizes the importance of documenting best practices. Early in my investigation I discovered that many processes and presentations were gathered in one repository online, called the Intranet, and it was here that I decided to focus my attention for improvement. I requested feedback from established and newer employees on how they use the Intranet and how they document their processes. I used this feedback to accomplish three immediate results: 1. Reorganize the Intranet so that obsolete documents are partitioned into a cultural archive and relevant materials are more easily accessible. 2. Flesh out the documented processes that are essential for employees in their first four months at the company, as these proved to be the most utilized and necessary. 3. Present suggestions for how documentation may be easily integrated into new employee training to ensure the future health of the Intranet.
Yongping Huang  
*Enhancing Access of Rich Media for the LBJ Library using GLIFOS and MediaWiki*  
Lyndon Baines Johnson Library and Museum  
Faculty Supervisor: Philip Doty  
Field Supervisors: Liza Talbot and Claudia Anderson  
Technology Supervisor: Quinn Stewart

A number of original source materials from the Lyndon Baines Johnson Library and Museum, in a variety of formats, have been digitized and/or enriched in GLIFOS by iSchool students. These rich media materials have been stored on a MediaWiki site. However, this site is not easily accessible by the public as the materials have not been indexed and categorized, nor has a workable navigation system been put in place. This project involves proposing and implementing a workable site architecture that will allow this rich media to be more easily accessible to interested users. The site architecture should also allow for future expansion, and integration with the main library website. After input from various interested parties, a site architecture was proposed. The additional functionality required, such as additional metadata fields, was added to the site by GLIFOS staff. The original source material was indexed and categorized, and the proposed site architecture implemented for a subset of the materials.

Christopher Johnson  
*The Problematic Application of Economic Discourse to the Creation and Transfer of Information*  
Master’s Report  
Faculty Supervisor: Nathan Ensmenger  
Second Reader: James Howison

In Citizen's United v. FEC (2010) and Sorrell v. IMS Health, Inc. (2011), the Supreme Court of the United States passed down a pair of opinions which clearly show the weaknesses of economic discourse as applied to the creation and transfer of information, itself defined as speech the courts opinion in Bartnicki v. Vopper (2001). Foucoul described economic discourse in his Archaeology of Knowledge (1972) as being particularly exclusive, both in terms of other discourse as well as to the potential participants in the discourse. This paper argues for the need to incorporate alternate modes of discourse that would provide a more complete understanding of the practical, social, ethical and legal parameters surrounding information’s creation and transfer.
Kathleen Joyce  
*Systems Analysis: Implementing a Non-Profit Client Management System*
Goodwill Industries of Central Texas  
Faculty Supervisor: James Howison  
Field Supervisor: Stacee Millangue

The objective of my capstone was to prepare database software for the data collection and reporting requirements of a grant-funded project led by Workforce Solutions. The project, called Workforce Readiness and Education Continuum (WERC), brings together 11 Austin agencies committed to providing training and job-seeking support to individuals with barriers to employment. WERC represents a new level of collaboration among education-oriented and workforce development non-profits in Austin. The grant administrators chose to implement Empowered Case Management (ECM), a highly customizable proprietary software product designed specifically for data management in non-profits, due to its flexibility and reporting capabilities. My role is to work with my supervisor, Stacee Millangue, to determine system requirements, create and implement design solutions in ECM, build reports in Microsoft SQL Server, and train users. Robust data collection and accurate reporting will allow stakeholders to actively gauge program outcomes.

Sophia Chia-Yu Kang  
*Marketing Strategy for Academic Sharing: An Open Teaching Resource Portal*  
Yahoo! Inc.  
Faculty Supervisor: Luis Francisco-Revilla  
Field Supervisor: Patricia Brogan

Academic Sharing is a teaching resource portal built by iSchools at The University of Texas at Austin, University of Washington, and Yahoo!. The portal targets faculty who would like to share teaching materials, especially for Internet Sciences. The materials include documents (syllabi, articles, sample papers), presentations, videos, and other materials. The project involves building a content portal of teaching materials, conducting usability tests, collecting contents, designing taxonomy and marketing. As members of the marketing team, we aim to sell this portal site to faculty and students at iSchools as well as researchers in Yahoo!. The marketing team develops and executes the launch plan of the content portal and the marketing strategies on social media. I deliver the logo, comics, branding video, and two thirty-second “elevator pitches” for the different audiences by the end of this Capstone.
Michelle Keba

Creating Online Research Modules for Gullett Elementary

Gullett Elementary

Faculty Supervisor: Barbara Immroth
Field Supervisor: Kay Gooch

As technology use grows, information literacy skills are becoming increasingly important to student success. Foundational research skills such as finding and evaluating sources, avoiding plagiarism, and citing sources must be introduced in elementary school in order to prepare students for higher grade levels and college. As part of my practicum project at Gullett Elementary School, I created a set of online research modules teachers can use to teach foundational information literacy skills. Because these research modules teach foundational skills, they are generic enough to be used by multiple teachers on many different types of research projects. The research modules are located on the Gullett Library Web site and can be accessed on classroom computers, at home, in the library, and on iPads as they begin to be used in the classroom. Because the modules are located on the Gullett Library Web site, the current librarian will also be able to update them as needed.

Nusrat Khan

Developing a Circulation System for Library Materials at Texas A & M Health Science Center- Round Rock

Texas A & M Health Science Center
Faculty Supervisor: Glynn Harmon
Field Supervisor: Catherine Pepper

Texas A & M Medical Sciences Library (MSL) serves the learning, teaching & research missions of the Texas A & M Health Science Center (HSC) & Texas A & M University’s College of Veterinary Medicine & Biomedical Sciences (Vet Med) & College of Agriculture & Life Sciences (CoALS). MSL Round Rock Library is accessible for clients twenty four hours a day and seven days in a week. Students, faculties can borrow library materials and students are allowed to keep them for a week. Faculty members can keep library materials as long as they need them. As we do not have necessary equipment for implementing check out materials digitally, we are proposing to implement manual self check out to keep track of materials life cycle for this library. We respect our library clients.
Helen Kim  
*Creating a Digital Repository for the Blanton Museum of Art's Institutional Images*  
The Blanton Museum of Art  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Laura Barnett  

Organizations can sometimes neglect institutional records when a large focus exists on collection material. In less than a decade, The Blanton Museum of Art has amassed tens of thousands of born-digital images of their institutional activities on discs that made it difficult for staff to search and retrieve any images. Additionally, the materials lacked descriptive metadata, which is a serious problem with any future staff attrition. For this project, I established a digital repository for the Blanton to increase staff accessibility to its images and to facilitate long-term preservation. After inventorying the discs, I migrated the images to the Blanton’s server and weeded images based on the Blanton’s guidelines. Then, I created an arrangement of these materials that reflected the activities and organizational structure of the Blanton. I developed descriptive file naming conventions and selected metadata requirements. After establishing the UTDR as the Blanton’s digital repository, materials were batch submitted into the appropriate collections and communities in Dspace with accompanying metadata. The materials were also migrated to one hard drive to function as a dark archive. With this structure in place, I developed a manual so staff can continue adding materials to the UTDR for increased accessibility and preservation.

Ryder Kouba  
*LBJ Interactive Daily Diary and Transcribe LBJ*  
Lyndon Baines Johnson Library and Museum  
Faculty Supervisor: Ciaran Trace  
Field Supervisor: Marsha Sharp  

As the budgets and staffs of archives around the country are slashed, and “More Product, Less Process” becomes increasingly prevalent, fewer materials receive attention from professional archivists. The growth in available digitized materials, however, has presented repositories with an opportunity to both provide access to users as well as to improve archival holdings through crowdsourcing via the Web. Working with the Lyndon Baines Johnson Library and Museum we hoped to harness users’ interests in the subject to transcribe the phone conversations of President Johnson in 1968. The main objective was to create guidelines and tutorials for crowdsourcing audio transcription and synchronization using the Glifos rich-media toolset. Of course, in order to accomplish this, the audio files and accompanying metadata first had to be made available in a useful format. Our capstone also continues earlier work done by Liz Molleur and Heather Nice on the Interactive Daily Diaries project. This involved organizing the archival material of four different days into various Glifos modules and linking to them through scans of the President’s Daily Diary kept by the White House. Telephone conversations provide a foundation for the structure of the multimedia diaries.
Kathryn Kramer  
*Increasing Usability and Accessibility of the Society of Folk Dance Historians Audiovisual Collection*  
Society of Folk Dance Historians  
Faculty Supervisor: Megan Winget  
Field Supervisor: Ron Houston

The Society of Folk Dance Historians was founded in 1987 to collect, preserve, and disseminate information regarding the history and practice of international folk dancing. The Society’s collections include, among other things, audiovisual materials consisting of 448 VHS tapes, 82 Hi-8 tapes, and 38 mini-DV tapes. The majority of these were recorded and donated by folk dance practitioners in the 1990s and early 2000s, and depict folkdance festivals, gatherings, and demonstrations both in the United States and abroad. Prior to this project, the majority of the audiovisual collection was undocumented, insufficiently labeled, randomly ordered, and lacking in digital use copies; what’s more, budgetary concerns limited what equipment and software were available to remedy the situation. I digitized many of the Hi-8 tapes, creating both DVD burn files that can be distributed to seekers of reference services and DV-encoded files for internal use. To make the videos findable, other volunteers and I created a citation library in EndNote that can be used as a basic database for the collection, and physically rearranged the tapes on the shelves to match.

Rebecca Kuipers  
*Assessing the Preservation Needs of the Texas Supreme Court Archive*  
Texas Supreme Court  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Tiffany Shropshire

The Supreme Court of Texas has existed since 1836 when it was first established by the Republic of Texas. It remained the established Supreme Court through the state’s admittance into the United States in 1845 and continues to be the highest court of justice in the state today. The records of the court include a hundred and seventy-five years’ worth of historical documents regarding legal conflicts, supreme court justices, and licensed attorneys. These documents are in the form of loose papers, bound books, audio and video cassettes, and photographs. In contrast to the court, the archive was only recently formalized and, prior to this capstone project, did not have a plan for preservation. I performed a preservation needs assessment, reviewing the organization, environment, and treatment of the entire archival collection, along with a partial review of the current preservation status of the individual artifacts in the collection, identifying artifacts with critical preservation needs. The final report presents the results of my assessment along with a series of recommendations for improvement.
Brian Lam

*Seeking vs. Browsing: Re-Organizing the Children’s Picture Book Collection*

Westbank Community Library

Faculty Supervisor: Loriene Roy

Field Supervisor: Trina Bolfing

The Westbank Community Library currently has a collection of over 7000 children’s picture books. The collection is organized by author title, making the collection easy to access for seekers but difficult for browsers. This Capstone Project seeks to improve browsing within the collection by re-organizing it into a series of eight micro-collections: Animals and Nature, Growing Up, ABCs and 123s, Folk and Fairy Tales, Machines, People and Places, Favorites and Stories. The books within each of these micro-collections are arranged alphabetically by author. Once the names of the micro-collections were determined my first step was to review each volume in the collection and decide in which of the micro-collections it should be shelved. The second step was to consolidate the books in each micro-collection and physically rearrange the picture book section of the library, a process that included developing new signage for each micro-collection. In the last portion of the project I assisted the Westbank Library Cataloger in changing the electronic record of each volume to denote it’s new location within the collection. Other public libraries have performed similar reorganizations of their collections and have experienced a significant increase in circulation. The Westbank Community Library will be monitoring circulation of the picture books collection to see if the more browser-friendly organization strategy will lead to increased circulation.

Lauren Linn

*Online Call Number Arrangement Training Videos and Tests*

The University of Texas Perry-Castañeda Library

Faculty Supervisor: Patricia Galloway

Field Supervisor: Margaret Alvarado

I implemented a six-part instructional environment in Blackboard Learn to train new student staff at UT Libraries to arrange items via LC and DC call numbers. Each section contains a brief instructional video introducing pertinent information. A test accompanies each video which allows the student to practice interfiling and ordering call numbers based on the characteristics covered in the video. Students may deploy an internal web site containing text summaries of each video with which they may consult during the training module and tests. I adapted the training content from an existing instructional packet and test that proved challenging to student staff. Informal user studies indicated that students find the multimedia module more engaging and less time-consuming than the original workbook. New hires can now complete call number arrangement training on Blackboard and supervisors can easily download the test results to identify areas in which the student could use additional instruction.
Di Liu  
*User Experience Research and Design of Yahoo! Academic Sharing*
Yahoo! Inc.  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Patricia Brogan

With the fast-paced changes of Internet Sciences, textbooks cannot keep up-to-date, faculties feel underprepared to teach, and students struggle to learn the newest knowledge. To provide a solution, Yahoo! Research is working with a group of students from University of Texas and a group of students from University of Washington on developing a repository of the best and most useful Internet Science resources. These topics span from areas like social and mobile computing to behavioral targeting and networks. I worked on this project as the User Experience Group Leader. Together with my team, I first conducted user requirement gathering and competitive analysis to get an overview of what users wanted and what would make us standout among competitors. Working closely with the development team, I then developed personas and scenarios to build user interfaces including wireframes and workflows of webpages. With the prototype of the user interfaces, I conducted interviews with potential users to make sure the UI met the users’ needs. After our website became functional, I did heuristic evaluations and task-based usability tests to enhance the usability of our website. In doing so, I was able to enhance the user experience on the website.

James Loomis  
*Increasing Visibility and Awareness of Materials and Services Available at the Graham Elementary School Library*  
Graham Elementary School  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Maya McElroy

The Graham Elementary School library, like many libraries of all types, possesses many materials and offers many services of which its users remain woefully unaware. Raising awareness of library holdings and services available must include reaching the key user groups. This includes the students, their families and the school faculty. My campaign to raise this awareness consists of three main facets. The first is improving signage around the library to improve awareness of materials and where to find them. This has been particularly useful in helping students find nonfiction materials on the subjects in which they are interested. The second is a document created, laminated, and given to teachers that shows, in the form of a menu, the different services, materials, and equipment available in the library facilities and offered by the librarian. A digital copy will allow future changes and incorporation of additional materials and services of the library. Last will be a basic library Web site, which will allow students, parents, and faculty to check library holdings, see what services are available, and find other useful information about the school and library from their homes and classrooms.
Go Big or Go Home: Emergency Planning for High Density Storage Facilities
The University of Texas Libraries
Faculty Supervisor: Karen Pavelka
Field Supervisor: Wendy Martin

Emergency Planning is an important part of running a library or archives. Unfortunately, until recently librarians and administrators ignored the difficulties and special challenges posed by High Density Storage facilities. In this capstone I attempt to learn more about the complications inherent to disaster planning and salvage in a high density storage facility by working with the UT Libraries’ High Density Storage facility, commonly abbreviated LSF, to create a preliminary disaster plan. Since high density storage disaster planning is new in the library profession (I was only able to find one plan with any concrete form) I contacted the few institutions that have begun to create their own plans, read articles about traditional library disaster planning, and looked at disaster plans for warehouse environments since they more closely resemble high density storage. Once I finished my research I began writing a disaster plan for LSF, using Illinois’ and the Perry-Castañeda Library’s existing plans as guides. The final preliminary plan will help the UT Libraries prepare for the wide variety of problems and disasters that may occur in LSF.

Zoe Marquardt
iSchool IT Needs Assessment: Faculty and Staff
The University of Texas School of Information IT Committee
Faculty Supervisor: Lecia Barker
Field Supervisor: Patricia Galloway

I conducted a study of the IT needs and goals of faculty and staff employed by The University of Texas at Austin's School of Information. Members of the iSchool IT Committee will take my final report into consideration as they develop an official IT policy for the iSchool. In February, March, and April, I completed over 35 individual interviews with iSchool faculty and staff—both users of iSchool-supported hardware and software, as well as IT support staff and instructors. Participants in the study were asked to list the information technologies that they use on a daily basis; identify useful and devaluing features of these technologies; and suggest ways in which the iSchool's current methods for adopting, updating, and servicing IT tools—and teaching IT-related skills—could be improved. My final report outlines common themes in participant responses, describes the current uses of iSchool-supported hardware, software, and IT services by faculty and staff, and recommends a policy that would bolster efforts to clarify the role of IT support within the iSchool and develop an accessible system of IT reference resources for students, faculty, and staff.
Customer-oriented cataloging is becoming ever more popular in libraries; localized cataloging rules and procedures meet community needs and allow for increased patron accessibility. The Cedar Park Public Library embraces this philosophy, but over the past decade, multiple catalogers—each embracing a different set of cataloging guidelines—have created inconsistency within the library catalog. For this project, I worked with Cedar Park’s cataloger, Sandra Gonzalez, to learn the basics of MARC catalog records as well as the intricacies of Cedar Park’s local cataloging rules. I practiced these new skills by creating and correcting copy and original catalog records for new library materials, including both fiction and nonfiction, from adult titles to picture books. The primary focus of my project was creating catalog consistency within the library’s graphic novels collection. The library owns 933 sequential art titles, spread between the adult, young adult, and juvenile collections. My task was to check the catalog records for accuracy and consistency within each sub-collection and make corrections as necessary. I also created new local subject terms in the 650 field (e.g. “Young adult graphic novels,” “Adult comic books, strips, etc.”) that allow users to group items by collection in the online catalog.

Many archival repositories face growing backlogs of collections. These backlogs are not limited to paper materials; repositories are also accumulating a large number of digital materials, including video games, for which there is little precedence for preservation. For my capstone project, I worked with Zach Vowell at the Briscoe Center for American History to review the video games contained in their holdings and develop a strategy for preservation. Using information documented in fan communities online, I researched fan preservation practices for the different game systems represented at the Briscoe Center, and divided them up into a number of different groups based on the type of preservation necessary. I then composed a report in which I did an in-depth examination of one case study from each group. Finally, I began work in the School of Information’s Digital Archaeology Laboratory putting into action the preservation methods for several kinds of media and testing the resulting files with appropriate emulators. I also contacted several people in the gaming industry and fan communities to discuss working with the Briscoe to do future preservation.
Abigail Nersesian  
*Opportunities Abound: Growing Volunteerism and Community in Public Libraries*  
Pflugerville Community Library  
Faculty Supervisor: Karen Pavelka  
Field Supervisor: Lisa Charbonnet

By the end of 2012 The Pflugerville Community Library will double in size, resulting in a more modern and patron centered space designed to meet the community’s needs for many years to come. Along with this great expansion comes the need to staff several new areas while still providing exceptional customer service to one of the largest growing patron bases in the state of Texas. Faced with budgetary constraints the Library sought out alternative ways in which to increase the presence of personnel. For my capstone I worked closely with the Library’s Director to establish the infrastructure for a volunteer program. Using my prior professional experience and the lessons learned during my studies at The School of Information I created a program that provides a solution to a staffing challenge, while also creating a community of camaraderie and service within the Library. During my project I completed a needs assessment to determine the volunteer positions. I created forms and collateral for marketing the program and for recruiting volunteers. I also provided a working budget for the program, as well as a workflow for paperwork and a presentation for staff training. The end result of my work has allowed the Library to effectively incorporate more volunteers into daily operations by implementing a thoughtful strategy for marketing, recruiting, training, and recognizing volunteers. This carefully considered strategy reduces volunteer turn over, ensures staff buy-in, and increases awareness of the Library throughout the Pflugerville community.

Amy Nurnberger  
*An Affinity for Information: Affiniscape & Market Intelligence*  
Affiniscape  
Faculty Supervisor: Claudia Chidester  
Field Supervisor: Baker Johnson

Affiniscape works with Trade Associations and Professional Societies providing them with software and services that increase their value, grow their membership, advance their mission, and ensure their success. This project focused on using market intelligence tools to examine traditional sources of information as well as Web and electronic social-network sources, such as search engine optimizations and social followers, in order to draw a picture of Affiniscape’s competitive landscape.
Kevin O'Donnell  
**LBJ's Multimedia Diaries and Transcribe LBJ**  
Lyndon Baines Johnson Library and Museum  
Faculty Supervisor: Ciaran Trace  
Field Supervisors: Quinn Stewart and Marsha Sharp

As the budgets and staffs of archives around the country are slashed, and “More Product, Less Process” becomes increasingly prevalent, fewer materials receive attention from professional archivists. The growth in available digitized materials, however, has presented repositories with an opportunity to both provide access to users as well as to improve archival holdings through crowdsourcing via the Web. Working with the Lyndon Baines Johnson Library and Museum we hoped to harness users’ interests in the subject to transcribe the phone conversations of President Johnson in 1968. The main objective was to create guidelines and tutorials for crowdsourcing audio transcription and synchronization using the Glifos rich-media toolset. Of course, in order to accomplish this, the audio files and accompanying metadata first had to be made available in a useful format. Our capstone also continues earlier work done by Liz Molleur and Heather Nice on the Interactive Daily Diaries project. This involved organizing the archival material of four different days into various Glifos modules and linking to them through scans of the President’s Daily Diary kept by the White House. Telephone conversations provide a foundation for the structure of the multimedia diaries.

Sarah Papania  
**Creating an Information Portal on the Texas Economy for Investment Professionals**  
Austin Ventures  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Mike Millard

Austin Ventures (AV) is a private equity firm focused on venture capital and growth equity. As the region’s most active investor, AV concentrates heavily on Texas-based companies. For my Professional Experience Project, I created a website that informs AV investment professionals about the current state of the Texas economy. I first collected user needs from the AV research team and outlined an optimal prototype. The team requested an information-rich, easily navigable site that would require minimal upkeep yet continually support on-going research initiatives. To accomplish this goal, I aggregated data from government and business resources and used these sites to develop a list of key topics, best practices, and available tools. In the site design, I organized all of my research into several manageable sections, including Texas Rankings, Top Industries, News, and Reports. I also incorporated embeddable dashboards, interactive charts, RSS and Twitter Feeds, and iFrames to display live content from important external sources. To complete the project, I conducted a stakeholder survey and usability evaluation and tailored the site accordingly. The final deliverable provides a centralized resource to help AV professionals stay up to date on key indicators in the Texas economy and make informed investment decisions.
Samantha Pitchel  
*Developing a Digital Media Strategy for SXSW Comedy*
  
**SXSW Inc.**  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Charlie Sotelo  

SXSW Comedy is one of the youngest components of the 25-year-old multi-media festival, which also includes Music, Film, and Interactive conferences. Comedy programming was officially added to the roster in 2008; this year, in 2012, SXSW Comedy expanded from six nights of shows to eight, adding venues and expanding their lineup. Leading up to, during, and following the festival, SXSW Comedy needed to promote their programming, as well as establish themselves as thought leaders in the comedy community by creating engaging, original content online. To achieve these goals for this year’s event, I assisted with the development of a digital media strategy, which included creating internal and officially branded promotional materials and blogs, evaluating and implementing social media strategies, and creating media partnerships to create and aggregate content across a wider audience.

Daniella Ramos  
*Shared Family Literacy*  
Cook Elementary  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Judith Muck  

Family Literacy is a toolkit for parents who want to support literacy at home. Importance was placed on shared literacy experiences such as visiting libraries together, picking age-appropriate books together, reading together, and discussing a variety of reading materials. Illiteracy among parents was addressed with visual aids to stimulate students' retelling and increase fluency levels.
Miriam Richards

The Evolution of UT Women’s Basketball: An Online Exhibit
H.J. Lutcher Stark Center for Physical Culture and Sports
Faculty Supervisor: Karen Pavelka
Field Supervisors: Cindy Slater and Jan Todd

As a relatively new research center on the University of Texas campus, the Stark Center has dedicated itself to educating the public and supporting research interests related to physical culture and sports. To support this mission, the Stark Center is looking forward to further exhibiting historically important physical culture and sports collections in addition to showcasing The University of Texas’ rich sports tradition. For my capstone experience project I created an original, interactive online exhibit, through the use of an online-based timeline tool called TikiToki, detailing the evolution of the UT Women’s Basketball program from its creation in the early 1900s to the present. The development of this exhibit included in-depth research, selection of relevant, original objects from the Stark Center’s holdings and those of other research institutions, digitization of paper-based materials, content writing, and curation of gathered objects. Additionally, I created a set of guidelines for the Stark Center to make their exhibit spaces meet museum exhibition standards in regards to appropriate temperature, relative humidity, and lighting levels. I gathered measurements for each of these with an Elsec Environmental Monitor, checked them against existing preservation standards, and created guidelines based on the noted differences between actual and recommended standards measurements.

Rebecca Rosenberg

Facilitating Fun and Good Times: Digital Content Strategy and Knowledge Management
Transmission Events
Faculty Supervisor: Karen Pavelka
Field Supervisor: Matt Mandrella

Transmission Events, an Austin based booking and event production company, works with large amounts of dynamic information across multiple platforms. A substantial amount of metadata accompanies this content, such as show dates, times and places, artist lineup, ticket links, links to poster art and photos, and social media advertisements. Thus, there is a great need to monitor data and continually update information. The two major components to this project were metadata/knowledge management and digital content strategy. Metadata and knowledge management involved using shared spreadsheets and other documents to track the company’s ever-changing marketing assets across 9 different web sites and social media platforms. During SXSW Music 2012, our team built ad-hoc knowledge sharing documents and guides for over 50 parties and events. For digital content strategy, I curated images, slideshows, video, and text for event postings on three web sites, often reformatting for optimal appearance. I researched and wrote content for the company’s official blog, focusing on music related events around Austin. Finally, as the company prepared to rebrand its digital presence, I made functionality and content design recommendations based on a detailed content inventory, heuristic analysis, and end-user testing.
Javier Ruedas  
A Prototype Digital Repository for Indigenous Amazonian Cultural Materials  
Master’s Report  
Faculty Supervisor: Patricia Galloway  
Second Reader: Unmil Karadkar

This Master’s Report will examine how to design a digital repository for indigenous Amazonian cultural materials, including audio and video recordings as well as texts. I collected these materials during three periods of fieldwork, in 1997–1998, 2007, and 2009. This project will explore how to make these materials available to the indigenous user community, with an open source repository application, in a way that respects indigenous intellectual property rights (IPR) and affords maximal control to the designated user community over access restrictions, resource description, and information design. The project will also explore how to adapt the highest standards for archival and information design to a digital artifact for a specific indigenous user community. An effort will be made to build a working prototype using an open source digital repository application. The final report will review the applicable literature, discuss the theoretical and conceptual framework informing repository design, and describe the principal design features and the rationales for design decisions.

Dana Sagona  
Library Instruction  
Austin Public Library - Faulk Central  
Faculty Supervisor: Lorieene Roy  
Field Supervisor: Lisa Hamilton

My capstone is entitled “Library Instruction” and involves doing just that at the Austin Public Library (Faulk Central branch). I have a recurring course every month entitled “Facebook, Twitter, Blogs and Wikis.” This is a two-hour long class that delves into the basics of all four of these social mediums. To prepare for this course, I have created a lesson plan and handout which I revise after each class (I have taught two thus far). I have two upcoming courses entitled “Better than Google: Introduction to Health Research” and “Better than Google: Introduction to Government Research.” These one-hour courses require extensive lesson planning and research to ensure the class provides patrons with an array of free online resources they were unaware were available to them. My field advisor, Lisa Hamilton, has taught me fundamental skills pertaining to instruction, lesson planning and public speaking.
Elizabeth Salazar

**Cross-Platform Development: Making the Leap from Android to iOS**

Minicore Studios, LLC

Faculty Supervisor: Diane Bailey
Field Supervisor: John Warren

Many mobile developers begin developing for Apple products, gain momentum and capital, and then switch to the Android operating system. Not Minicore Studios! John Warren, Founder & CEO, decided to begin development for his game, “Tanks for the Memories,” on Android first. This was due in large part to Android’s open source nature and Windows-friendliness, and the programmers’ knowledge of Java, the language Android is based in. When I first joined the team, much of my time was devoted to testing, debugging, and reprogramming the Android code, which gave me an intimate knowledge of “Tanks,” and allowed me to more easily adapt it to a new habitat. My ultimate goals were to design and program a complete iOS (Apple Operating System) version of the game, and polish it for public release. This has involved learning Objective-C, the Mac development language of choice, as well as discovering and mastering all the pitfalls and difficulties of cross-platform development. My work will result in a game which will eventually be available for purchase in the Apple “App Store,” and which will ultimately be enjoyed by thousands of players.

Meagan Samuelsen

**A Study in Performing Arts Documentation**

Master’s Thesis

Faculty Supervisor: Megan Winget
Second Reader: Ciaran Trace

In this thesis, I researched widely in the fields of archival appraisal and performance and theatre studies to find points of both connection and friction concerning the documentation of performing arts. Whose responsibility is it to capture performance? How active or pro-active should the performing arts archivist be? Can performance ever be adequately captured? While much of the literature in the fields I studied addresses these questions, little research had been done to determine the performing artist’s perspective on these issues. Partnering with the FronteraFest Fringe Festival here in Austin, I conducted a survey study of performers involved in the festival to determine their current documentation practices and their perspectives on documentation. I also conducted a case study exploring the role of the archivist in performing arts documentation, observing fellow iSchool student Mary Wegmann as she did her capstone work with FronteraFest documenting select performances and establishing an archival collection. From this research, I gathered a set of reflections and ideas about how the archivist can most effectively document performing arts and performing arts communities, concluding that dynamic partnerships between archivists and performers can produce pleasing and adequate traces of the ephemeral art form of performance.
Margaret Schäfer  
*Reimagining the Reference Collection*  
The University of Texas Fine Arts Library  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Laura Schwartz

The reference collection at the Fine Arts Library occupies prime and ample real estate in the library’s floor plan but sees little use. My project aimed to reduce the footprint of the reference collection and implement changes in the area that would increase the visibility and relevance of the collection. The project began with a literature review, which highlighted changes imminent and underway in reference services across the country: students’ preference for electronic materials, the extinction of ready reference questions, and the tendency for extended reference questions to resemble individualized miniature instruction sessions. I collaborated with the FAL’s bibliographers and surveyed students on their research processes to reimagine a reference collection better suited to the priorities of the library. My work culminated in a grant proposal and the submission of a written report to the FAL’s head librarian, Laura Schwartz, making a budget-based tiered recommendation for changes to the area. The proposals include introducing a new lay-out for the area that will highlight the collection and facilitate one-on-one interaction between students and reference providers.

Zane Schwarzlose  
*Refining the TEI Display Omeka Plugin*  
The University of Virginia Libraries Scholars’ Lab  
Faculty Supervisor: Tanya Clement  
Field Supervisors: Bethany Nowviskie and Wayne Graham

Schwarzlose and Yavorcik worked to update the TEI Display plugin for Omeka, an open-source digital collection display tool. The Scholars’ Lab at the University of Virginia developed this plugin several years ago, but it had some bugs and could be difficult to use. This project involves both a content element and also a programming element; Schwarzlose worked on the programming side and Yavorcik on the content side. We worked together to identify user needs, both through developer-side evaluation of the original version of the plugin and through surveying potential users. With this information in mind, Yavorcik developed template documents for users, while Schwarzlose refined the plugin code. We tested the final product using TEI-encoded correspondence and prose, and wrote user and technical documentation. Both documented their progress at the Scholars’ Lab blog, www.scholarslab.org. Ultimately, in addition to refining a tool that will be useful in either a classroom or a professional setting, Schwarzlose and Yavorcik were able to learn more about TEI and XSLT and how these standards can be applied to a specific web-publishing platform, as well as how information professionals can use these tools to help facilitate literary research.
Eliot Scott

Digital Archives of the Congregational Church of Austin
Congregational Church of Austin
Faculty Supervisor: Diane Bailey
Field Supervisor: Jaime Hadley

The Congregational Church of Austin has an extensive archive of documents, photos and objects dating to the founding of the church in the late 1890’s that have been categorized and put into acid free boxes by a prior University of Texas School of Information student. Although these archives are categorized and safely stored for preservation, they were difficult to access for most church members and inaccessible to those outside the church who might be interested in the church's history or mission. This project digitized and organized the churches archives in an interactive web-based digital archive created in Drupal and allows for greater access to the church's archives by church members and the general public. Additionally, this project allows church members to tell stories about the church and upload new electronic documents into the digital archive. Non-technical church members are now able to maintain a functional digital archive with an easy to use interface that is designed using standard open source tools on an inexpensive shared server.

Jennifer Singer

Conducting a Business Systems Analysis of Speed Ordinance and Traffic Engineering Studies at the Austin City Clerk’s Office
City of Austin Office of the City Clerk
Faculty Supervisor: Ciaran Trace
Field Supervisor: Bob Guz

Texas law requires a city’s transportation department to conduct a traffic engineering study before submitting an ordinance to the City Council to alter a speed limit. Ordinances are kept by the Office of the City Clerk (OCC). Traffic engineering studies were kept by the Transportation department until 2001, when they were moved to the OCC to streamline records requests. My task was to document the processes and tools currently in use by the City of Austin to manage these studies and to evaluate their effectiveness in meeting the needs of stakeholders within city government. To accomplish this task, I interviewed subject matter experts in the OCC, the Transportation Department, the Law Department, the Municipal Court, and the Geospatial Information Systems division of the Communications and Technology Management Department. In addition to this, I contacted city clerks and traffic engineers in other Texas cities to gather information on document management solutions and to provide benchmarks by which to measure Austin’s process. As deliverables, I provided recommendations on process improvement, focusing especially on improving workflow documentation and creating database schemas for capturing data about the ordinances and studies currently maintained in an Excel spreadsheet. These recommendations were provided in a written report and in a presentation to interested stakeholders in city government.
2-1-1 Texas is a community information and referral service managed by the United Way Capital Area (UWCA). 2-1-1 Texas helps residents orient themselves in the disjointed and shifting social services landscape by centralizing information regarding local services. Aside from connecting people with services, 2-1-1 also collects information about caller needs, and, to a lesser extent, client success in meeting needs through 2-1-1 referrals. This information is provided upon request to policy makers, researchers, and back to service providers to help evaluate, for example, the effectiveness and completeness of proffered services. The information and referral system, accessed by phone consultation or through the web, is enabled by a database of services and service providers. A small, embattled team of UWCA information stewards attempt to simultaneously ensure database information accuracy and that it is representative of available services. This capstone was concerned with auditing, or evaluating, the methods, systems, and internal social networks supporting database curation. Specifically, this project focused on information accrual processes, like service and program solicitation forms sent to area organizations, and on inner-office communication. A usability study was employed to evaluate information accrual forms and staff interviews were conducted to map communication triggers and channels. 

Sarah Sokolow

Prioritizing Preservation in an Archival Landscape

Texas State Archives and Library Commission

Faculty Supervisor: Karen Pavelka
Field Supervisor: John Anderson

Many archives have artifacts in their collections that showcase cultural or historical information. Exhibiting these items could provide archives with an opportunity to promote their collections. However, often the artifacts are so diverse and the staff has so many daily duties that the artifacts are overlooked. They are not preserved as well as they should be and they are rarely exhibited. In this capstone, I examined the conditions of a diverse group of 19th century artifacts in collections at the Texas State Library and Archives Commission (TSLAC). I studied signs of deterioration on the artifacts, their storage containers and the desired storage environment. Then I researched standards and procedures on the handling, storage and exhibition of these types of artifacts. I researched through the works of credible conservation/preservation associations and cultural heritage institutions. I have compiled my research and work into a cohesive preservation needs assessment. In it I provided information on the conditions of the artifacts with recommendations for storage, handling and exhibition. This assessment will serve as a reference guide for staff at TSLAC so they can be aware of the conditions of some of their artifacts and the best methods to store, handle and exhibit them.
The Web is now recognized as a cultural artifact worthy of preservation and study; however, the rhizomatic, dynamic nature of online production, the accelerating rate of innovation of the live Web, and the sheer quantity of online records all pose challenges to preserving access to online cultural heritage. Moreover, whole-Web archiving efforts such as the Internet Archive frequently miss sites that are not linked to well from other sites—including the marginalized and fringe materials that are most important in building a thick cultural history of online life. This paper argues that archives and other collecting institutions are uniquely poised to preserve online heritage in the form of cultural subject Web archives. Such institutions have the intellectual capital and the technical capabilities, as well as the cultural responsibility, to create collections that reflect the diversity of online life and that best serve potential future users. In order to build these collections, archivists and other information professionals will need a new set of skills. This paper proposes some theoretical and technical approaches to selection and access for cultural Web collections, with helpful tools and model projects to guide the discussion.

The Texas Archive of the Moving Image, founded in 2002, collects and archives video documenting Texas history. In 2006 the archive received a large film collection from Gordon Wilkison, a cinematographer for KTBC during the 1950s and 1960s. KTBC was Austin’s first television station, and the only television supplier in Austin for almost twelve years after its founding in 1952. The films contained in the Wilkison collection document events such as the civil rights movement, as well as commercials and public service announcements of the time, and early Austin history. Due to the large number of films in the Wilkison collection, much of it has yet to be digitized. For my capstone experience project I cleaned and digitized over 6600 feet of 16mm film from the Wilkison collection. I also helped to maintain a database of the digitized films. The films from the Wilkison collection will be used for education purposes and on the TAMI website in the future.
Mary Wegmann

*Preserving the Ephemeral: Archiving FronteraFest*

*FronteraFest*

Faculty Supervisor: Megan Winget

Field Supervisor: Christi Moore

Over the course of their 19-year run, Austin’s annual fringe theater festival FronteraFest has saved little documentation of the event. In an attempt to better preserve this event, I formed partnerships with the Austin History Center (AHC) and FronteraFest to create an archival management plan that will include a set of guidelines to aid both administrators and performers. This project brings many of the theoretical and practical challenges of archiving performance to the forefront. In order to develop the guidelines for the performances, I worked with three performance groups to observe and discuss the ways in which their process and performance can best be represented in the archive. Together we thought about the materials organically generated during the performance creation process and how those materials do or do not represent the entirety of the process. With this understanding, we discussed how the archivist could facilitate or support the generation of these materials and whether it would be appropriate for the archivist to play any role at all. In this project, I attended and recorded rehearsals and performances, conducted oral histories, and collected ephemera from the performers to donate to the AHC. From these conversations, observations, and experiences, I composed a set of best practices that will be available for performers to use when considering the legacy they want their performance to leave.

Elizabeth Cruces Welty

*Increasing Digital Access and Creating Research Tutorials for the Wittliff Collections at Texas State University-San Marcos*

The Wittliff Collections at the Texas State University Alkek Library

Faculty Supervisor: Ciaran Trace

Field Supervisor: Katie Salzmann

The Wittliff Collections at Texas State University-San Marcos was founded in 1986 by Bill and Sally Wittliff to preserve and exhibit the papers of the Southwest’s leading authors, screenwriters, and songwriters. The first objective of this capstone project was to increase user access and archival research opportunities at the Wittliff by using the open source archival information system, Archon, to increase digital access to existing finding aids. To accomplish this objective, I collaborated with the lead archivist at the Wittliff, Katie Salzmann to select collections for ingestion into Archon. I then created a manual with standards and procedures to facilitate efficient workflows and consistency in the creation of digital finding aids. The second objective of this capstone project was to create web based instructional tools on the basics of conducting archival research at the Wittliff. The goal of these tutorials is to promote and support the use of the Wittliff Collections by students at Texas State and visiting researchers, as well as to acquaint a broader audience with the field of archival enterprise.
Tres Wilcox  
*Designing a User Profile Creation Process for AuntBertha.com*  
Aunt Bertha, Inc.  
Faculty Supervisor: Glynn Harmon  
Field Supervisor: Erine Gray

AuntBertha.com is an Austin-based startup web site that collects information about local, state, and federal assistance programs and matches people to the social services that best fit their needs. To connect users with the programs they qualify for, the site encourages them to enter relevant personal information, including financial and health information, into a user profile. This capstone project was initiated to help design and test a new profile creation process that avoids overwhelming users with a lengthy list of personal questions, as well as to evaluate the general usability of the AuntBertha.com web site and recommend improvements to the site’s information architecture. To understand user and system requirements, I conducted interviews with stakeholders and analyzed the provisions and qualification requirements of hundreds of social programs available on AuntBertha.com. Based on these requirements, I designed wireframes and low-fidelity prototypes to communicate how the new profile creation process could be integrated into the existing site design. Additionally, I conducted two rounds of usability interviews to evaluate the new profile creation process and the general browsing experience of the site. The end result of this project is a new user-centered profile creation process and various other improvements to the information architecture of AuntBertha.com.

Sara Wimberley  
*The Instructional Library*  
Stephen F. Austin High School  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Angie Reeve

My professional goal as a librarian and information specialist is to serve as an interdisciplinary instructor on a secondary school campus. For years, leaders within the profession have been working to transition from the isolated role of “school librarians” to the interactive, collaborative, and instructional role of “school library media specialists,” yet this transition has been difficult to achieve on a widespread basis. Many classroom teachers remain unaware of the numerous ways their school library can support classroom instruction. As an intern in a high school library, I have explored several ways in which the library can take on a more active role in curriculum development and instruction by working with teachers to identify areas of information need and opportunities for collaborative teaching. With this goal in mind, I have focused on three aspects of teacher-librarian collaboration: curriculum-driven collection development, collaborative instruction in research methods and media literacy skills, and development of information literacy in the content area. My goal in these pursuits is two-fold: to improve students’ educational experiences and to share the power of collaboration with classroom teachers. Instruction quality increases exponentially when teachers and library media specialists team up!
Katrina Windon

Processing the Papers of Frances Lewine
Lyndon Baines Johnson Library and Museum
Faculty Supervisor: Philip Doty
Field Supervisor: Claudia Anderson

Jackie Kennedy once referred to Frances Lewine and fellow reporter Helen Thomas as “harpies,” and Lewine’s dedication to the pursuit of a story can be seen in her papers, from a file that tracks rumors of whether Mrs. Kennedy was doing the Twist in a nightclub to Lewine’s investigation into where the First Lady waterskied—but there are also more serious stories. The first woman to serve as a full-time AP White House correspondent, Lewine was active in the fight for equal treatment of female journalists, and this struggle is documented in her papers. Collection materials offer insight into the White House and its reportage over six administrations (from Eisenhower to Carter) and include research material, notes, correspondence, photographs, transcripts, ephemera, and audio materials. The original collection of 58 Bankers Boxes, donated by Lewine, had undergone some preliminary processing by volunteers. I assessed collection documentation and existing order to propose and carry out an arrangement and create a detailed finding aid for the collection. A significant challenge was to highlight the original materials that might otherwise be overshadowed by Lewine’s research materials. As a second part of the project, I conducted a preservation assessment and began its implementation.

Heidi Winkler

Evaluating Juvenile and Curriculum Materials at an Academic Library
Concordia University Texas
Faculty Supervisor: Barbara Immroth
Field Supervisor: Mikail McIntosh-Doty

Concordia University Texas is a small, private, liberal arts institution serving around 2700 students, most of who are enrolled in the College of Education. This capstone was an evaluation of how well the Concordia University Library was serving the needs of these students through its Juvenile and Curriculum materials. How does children’s literature at the academic level differ in its use from that of school or public libraries? I began by studying the collection to determine what books the Library had and how to select books in the future. I also interviewed professors to ascertain where they saw gaps in the collection and to understand what they needed from the Library. Additionally, I made recommendations on how to renovate the physical area surrounding the Juvenile collection in order to make it a more welcoming space for students to work. Ultimately, this Library must reflect the passion for education to which Concordia University is committed.
Sarah Wiseman

*Longhorn Power - A History of Strength Training at UT*

H. J. Lutcher Stark Center for Physical Culture and Sports

Faculty Supervisor: Randolph Bias

Field Supervisor: Cindy Slater

Using Omeka, I designed and developed a site for a project at The Stark Center, led by Dr. Jan Todd. Written content was provided by Dr. Todd, and I built an Omeka theme, edited video footage, and populated the site with content. Additionally, the custom Omeka installation will be used for future Stark Center project sites.

Stephen Wolfson

*Crowdsourcing and the Law*

Master’s Thesis

Faculty Supervisor: Matt Lease

Second Reader: James Howison

With the rapid development and proliferation of new social and connective technologies, crowdsourcing has risen as a viable method to conduct many types of work. Concurrently, technology, practice, and policy have collided in ways that existing legislation did not anticipate. This thesis addresses some of the legal issues that crowdsourcing raises. It starts with an introduction to crowdsourcing and a gloss over several areas where crowdsourcing might run into the law in the near future. It then delves deeper into one particular area that has started to raise legal concerns, crowdfunding. While crowdsourcing is a potentially powerful method for small businesses, artists, and charitable causes to raise money, it can run into problems with federal securities regulation when conducted improperly. Finally, the thesis examines terms of use agreements in crowdsourcing platforms. It discusses the provisions that are common among terms of use agreements, and looks at how these agreements can differ.
Carin Yavorcik  
*Refining the TEIDisplay Omeka Plugin*  
University of Virginia Libraries Scholars’ Lab  
Faculty Supervisor: Tanya Clement  
Field Supervisors: Bethany Nowviskie and Wayne Graham

This project was done in partnership with fellow iSchooler Zane Schwarzlose. We worked to update the TEIDisplay plugin for Omeka, an open-source digital collection display tool. The Scholars’ Lab at the University of Virginia developed this plugin several years ago, but it had some bugs and could be difficult to use. This project involves both a content element and also a programming element; Zane worked on the programming side, I worked on the content side. We worked together to identify user needs, both through evaluation of the original version of the plugin and through surveying potential users. With this information in mind, I developed template documents for users, while Zane refined the plugin code. We tested the final product using TEI-encoded correspondence and prose, and wrote user and technical documentation. Our progress is documented at the Scholars’ Lab blog, www.scholarslab.org. Ultimately, in addition to refining a tool that will be useful in either a classroom or a professional setting, Zane and I were able to learn more about TEI and XSL and how these standards can be applied to a specific web-publishing platform, as well as how information professionals can use these tools to help facilitate literary research.

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Jeremy Zuni  
*Native American Records at the Texas State Archives*  
Texas State Library and Archives Commission  
Faculty Supervisor: Ciaran Trace  
Field Supervisor: Laura Saegert

My capstone project centers on producing a guide to Native American records and materials housed within the Texas State Archives. It is intended to provide a variety of users (e.g. professional and amateur historians, students, genealogists, the general public) with an archival resource that concisely identifies, contextualizes, and summarizes historically significant, as well as more contemporary documents concerning Native Americans in Texas. I have drawn from a variety of record groups and collections dating from the pre-Republic era to the late 20th century; these include Robert Blake’s translations of the Nacogdoches Archives, the Texas Indian Papers, the James L. D. SYlestone Papers, as well as valuable material from state agencies that were entrusted with aiding Native American tribes during the 20th century in their efforts to gain economic stability and political sovereignty. The guide will consist of entries for approximately twenty record groups or collections, as well as an index. It will also be encoded for online use and will have links to applicable finding aids in TARO (Texas Archive Resource Online).