

THE UNIVERSITY OF TEXAS

SCHOOL OF



information

*Capstone Poster Session*

*Summer 2010*

*Friday 13 August 2010*

*2pm-4pm*

*1616 Guadalupe Street, 1<sup>st</sup> floor*

## PRESENTERS

D. Jordan Berson  
*Organizing for Preservation*  
The Louisiana State Museum, New Orleans  
Faculty Supervisor: Karen Pavelka  
Field Supervisor: Greg Lambousi

The Louisiana State Museum's Manuscript and Research Collection contains 300 linear feet of Louisiana colonial judicial records and 500 linear feet of general manuscript collections. These are all housed in a historic U.S. Mint building located in the French Quarter. Although the LSM lacks funds for professional conservation work at present, they needed to get a handle on conditions and treatment needs in their manuscript collections. The objective of my project was to help LSM differentiate between minor treatments that could be performed by non-professionals, versus projects requiring outsourcing to conservators. Thus I conducted a box-by-box condition survey of the general manuscript collections to identify problematic areas while flagging those that could be treated in-house by interns. Because the museum is going to be scanning the colonial records (their most prized collection), I created a worksheet for scanner operators that allows them to identify documents that are too fragile to scan, or illegible. These checklist-style worksheets serve to identify specific deteriorative conditions found in the collection, which in turn will aid prioritization of the documents for conservation work. Additionally, I consulted with the staff on best practices for handling, rehousing and cold-storage of their film collection.

Cynthia Blatherwick  
*Heuristic Evaluation and Formative Planning for Alienware Version 3.0*  
Dell, Inc.  
Faculty Supervisor: Luis Francisco-Revilla  
Field Supervisor: A. Fleming Seay

The goal for this project is to identify areas for improvement in the current version of Command Center (v 2.5) and demonstrate how these changes will benefit future versions of Command Center (v. 3.0). These improvements and suggestions will be demonstrated through an individual heuristic evaluation using three different checklists and guidelines. This stage will be followed by the creation and presentation of a task list dealing with the basic features of Command Center for novice through expert level users. Also illustrated graphics and descriptions of areas identified as needing changes or re-organization of layout, content, format etc. will be presented to potential users to help assess the value of changes made to Command Center v 3.0. The hoped for outcome of this research and testing is substantial proof justifying both the researcher's proposed improvements and those current being developed by Dell, Inc. These results will be presented in both an ACM style paper and Power Point presentation.

Stephanie Bordy  
*Establishing the Bureau of Business Research (BBR) Collection: Eighty years of Business and Economic Research Made Accessible.*  
IC2 Institute  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Bruce Kellison

Although the Bureau of Business Research (BBR) is located within the IC2 Institute, it was founded in 1926, fifty years before the IC2 existed. Originally created to provide impartial business and economic research to the Texas business community, the BBR's scope and reputation have since achieved an international scale. The organization was located within the McCombs School of Business before moving to the IC2 in 2006. During this transition, it became evident that the BBR had, largely through the efforts of its librarian, preserved materials of both research value and historical significance to the organization itself. The original goal of this project was to survey this material, create accession and appraisal policies, and, in collaboration with the IC2 Capstone student, come up with a strategic plan for a BBR series within, what was at the time, a nonexistent IC2 archives. We were also tasked with all aspects of the physical care of the materials, which included designing from scratch an onsite archives facility. After I processed the 112 box series, however, I determined that the BBR should remain its own fonds and only stay physically housed within the new IC2 Institute.

Ramona Broussard  
Master's Report  
*Themes in Video Game Scholarship*  
Faculty Supervisor: Gary Geisler  
Second Reader: Melanie Feinberg

In trying to preserve and provide access to video game materials for scholars, archives will need to build standards for collecting and structuring their collections. Archivists must assess the information needs of their users to begin building collections. In order to begin the assessment, this paper presents a content analysis of scholarly video game articles. The results of the analysis will provide the basis for structuring video game archives. Metadata schemas are important for archival institutions, in order that scholars and patrons can better understand the materials that the archive holds. That our metadata will aid patrons is widely accepted, but too often our schemas are based on archivists' rather than patrons' ideas of what is important. The content analysis presented in this paper combines historical ideas of metadata standards from expert archivists with an analysis of what themes are important, common, and sought-for in the literature spanning the last three decades. In order to analyze the articles selected, I use a content analysis based on Krippendorff. From the results, I develop a list of metadata elements and a structure for types of materials to save and structure.

Mary Capps  
*Photo Digitization and Archival Project*  
McCombs School of Business Department of Communications, Marketing & Public  
Affairs  
Faculty Supervisor: Megan Winget  
Field Supervisors: Mary Cone, Amy Rushing

The McCombs School of Business Department of Communications, Marketing & Public Affairs has, by default, become responsible for the photographic archives for the Business School. In recent years, digital photography has facilitated the storage and cataloging of images for most organizations and the McCombs School is no exception. However, the school has a rather large inventory (thousands, possibly tens of thousands) of photos, slides, and negatives that are not practicably accessible, as they are stored in boxes with little, if any, means of identification. The Communications Department had already established a digital database with Picasa, Google's photo sharing website which also implements viewing, editing, and organizing tools, so the logical step was to scan and integrate the physical inventory of images into the existing database, tagging photos with useful identifiers such as names, departments, events, etc. The department also wanted significant items tagged for future inclusion in the McCombs community in the University of Texas Digital Repository. Those items I determine to be appropriate for inclusion have been tagged with "Digital Repository", so a quick search will bring those materials up. The current equipment is fine albeit fussy for the photos, but due to the age of the scanner, it might not be adequate for scanning the slides and negatives, so a small investment (~\$200) may be needed for a new scanner. Although I am making good progress on the materials, I expect there will be a continued need to complete the project over the next several semesters.

Katherine Daiger  
*A Digitization Plan for the Texas Film Commission's Movie Projects Archive*  
Texas Film Commission  
Faculty Supervisor: Unmil Karadkar  
Field Supervisor: Jeremy Newman

The Texas Film Commission was established in 1971 as a part of the Office of the Governor to foster the film, television, and multimedia industries of the state. As such, its archives have amassed a wealth of documents related to movies made in Texas. These records have been a valuable resource for the staff and its constituency, especially in the documentation of the people and places that have played a role in Texas' filmmaking history. In recent years, however, these records have been replaced by born-digital ones that are accessible through in-house proprietary software called Texscout. This system enables records to be connected across movies, contacts, filming locations, and time periods. The goal of my capstone project has been to bridge the gap between the Film Commission's paper archive and new digital records, in hopes of providing better access to and use of past project documents. This has meant creating a digitization plan, which includes selection policies, scanning standards, and workflow procedures, that can be effective while still fitting within the Film Commission's operations and limited resources.

Micah Erwin  
*Preparing the Way for Digitization: Cataloging Medieval Manuscripts and  
Archival Collections*  
Western Michigan University, Waldo Library and Regional Archives  
Faculty Supervisor: Megan Winget  
Field Supervisor: Susan Steuer

The Special Collections at Western Michigan University holds 49 manuscript books, leaves, and legal documents produced between the 11th and 17th centuries. Until now, these items have not received adequate item-level descriptions or an official finding aid. My task was to research these uncatalogued manuscripts and prepare descriptions that could be used to develop MARC (Machine-Readable Cataloging) records and data for eventual digitization. I ensured that they would be appropriate for use in electronic cataloging by using the current Association of College and Research Libraries guidelines, Descriptive Cataloging of Ancient Medieval and Early Modern Manuscripts, as a framework for describing the items. In addition, I assisted in a cataloging project of archival collections at Western Michigan's regional archives. My task was to create summaries of collections and assign subject headings for them in MARC records which were being updated from older and obsolete records. I updated a substantial number of records at the archives and completed detailed descriptions of all the items in the medieval manuscript collection which will allow for the creation of a finding aid to accompany the digitized objects on the repository's website.

Amy Gonzalez  
*School Library Practicum*  
Martin Middle School and Lamar Middle School  
Faculty Supervisor: Barbara Immroth  
Field Supervisors: Anita Rubarth-Lay, Shelby Counts

The librarian at Martin Middle School, Anita Rubarth-Lay, had a wall of series collections that she wanted organized by genre. She also wanted a way to recommend single-title books to students based on the series they enjoyed reading. I looked up each series on the wall and then organized them by genre. I came up with the idea of recommending single-title books by using bookmarks. I made a bookmark for each genre on the series collection wall. These bookmarks included genres such as: vampires, magical powers, funny/humorous, action/adventure, science fiction, fantasy, teenage life/dating, Bluford High, sports, and martial arts. Each bookmark contained the title, author, and call number of titles related to that particular genre. I located these single-title books using the Martin Middle School OPAC to ensure that the only books on the bookmarks were ones that were actually in the Martin collection. I printed the bookmarks on various colors of card stock so that they would hold up against wear and tear. My hope is that students will check off each title they read on their bookmark, and that they will try to read each title in their genre of interest. Anita could easily make it into a school-wide reading contest if she wishes. We decided to use an old magazine rack to hold the bookmarks, and we placed it near the series wall. I also labeled the shelves of each series by genre and arranged some of the books with their full covers showing so that students would know what types of books were on each shelf. I believe using bookmarks to recommend single titles within a collection is an excellent method of recommending books, and I look forward to seeing how it works out in the Martin Middle School Library.

Janet Gray  
*School Library Practicum*  
Vera Scott Elementary School and Rudy Elementary School  
Faculty Supervisor: Barbara Immroth  
Field Supervisors: Claudia Pierce, Denise Lindstrom

I did my practicum with two Power Librarians in Colorado Springs, Colorado. Claudia Pierce at Vera Scott Elementary and Denise Lindstrom at Rudy Elementary served as my school library mentors. My capstone project focused on the development and implementation of the Battle of the Books program at Vera Scott Elementary. I met with school administration and intermediate grade teachers in order to secure support and generate excitement for the program. I did a collection analysis of the Battle of the Books titles and ordered supplementary books as necessary. Finally, I prepared a motivational presentation to students, which was delivered at the end of the school year. I am beginning a position as Library Technology Educator at Columbia Elementary in July.

Elspeht Healey  
*A Portal to Bohemia: Archives and Metadata for an Online Exhibition*  
Harry Ransom Center  
Faculty Supervisor: David Gracy  
Field Supervisor: Stephen Mielke

The Harry Ransom Center's collections include internationally renowned holdings in early twentieth-century literature, art, and culture. An upcoming online exhibition will showcase this strength by using a cultural artifact—a Greenwich Village bookshop door signed by over 230 writers and artists between 1921 and 1925—as a portal to that era's bohemian scene. Each of the door's signatories—whether famous or forgotten—will be represented by an item from the Center's collections. My capstone complements my curatorial work on this exhibition by taking up archival and metadata projects that serve to increase access to relevant Ransom Center holdings. I processed and arranged two uncataloged collections by individuals who signed the door: Wilfrid Ewart (1892-1922), a WWI writer, and Albert Boni (1892-1981), a celebrated publisher and the founder of Readex Microprint Corporation. I also performed a retrospective conversion of the Center's William Carlos Williams collection, which was partially uncataloged and previously accessible only through the reading room card catalog. Additionally, in consultation with Ransom Center curators and archivists, I developed a set of metadata fields and protocols to be used in the online exhibition. The resulting "detailed metadata view" for items will facilitate users' ability to move from viewing the online exhibition to conducting research in the Ransom Center's collections.

Kristen Hogan  
*CWGS Guide to Research and Teaching for Women's Human Rights*  
Center for Women's and Gender Studies (CWGS), The University of Texas at Austin  
Faculty Supervisor: Melanie Feinberg  
Field Supervisor: Susan Sage Heinzelman

As part of the grant-funded women's rights focus of the Center for Women's and Gender Studies, the web-based CWGS Guide to Research and Teaching for Women's Human Rights makes two interventions. First, the Guide identifies CWGS faculty research and teaching as work on women's human rights. Second, the Guide creates an organization system for these faculty records as a tool for students' course of study in and faculty collaborations around women's human rights. I developed keywords to describe faculty research and teaching then used these keywords to organize records into four interrelated keyword clusters. The clusters allow browsing of CWGS faculty work while the interconnection of the keywords within each cluster continues discussion of key issues in women's human rights. I utilized textual research in women's human rights and feminist information studies, critical analysis of CWGS faculty web profiles, and interviews with CWGS faculty and archivists of the UT Libraries Human Rights Documentation Initiative. This interdisciplinary research resulted in online and print versions of the Guide, a document describing the Guide classification system for future revision, a grant proposal for further development, and three podcasts to introduce CWGS students and faculty to the Guide through discussions about the relationship of information organization with women's human rights.

Nicholas Homenda  
*The Lynn Freeman Olson collection: composing an inventory and enhancing its Web presence*  
The University of Texas at Austin Fine Arts Library  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field Supervisor: David Hunter

Lynn Freeman Olson (1938-1987) was a renowned composer of pedagogical music, whose works have been studied by countless children learning to play the piano. His collection of printed music, music manuscripts, business correspondence, books, and audio-visual materials was donated the Fine Arts Library, yet a significant portion remains unprocessed. The purpose of this project is to make the collection more accessible to researchers and more visible to the public, while obtaining greater intellectual control over the entire collection. The project is focused on 14 boxes of uncataloged music manuscripts, which will be processed and arranged, resulting in the creation of an archival inventory including an index of compositions. Additionally, a Web site within the Fine Arts Library's Collections pages will enhance awareness of the numerous components of the collection and provide access to their finding aids. Through working with the collection, the project will provide insight into the unique issues and challenges faced when dealing with music archival materials.

Bridget Jones  
*Print Book Digitization and Conversion to Electronic Book Format*  
The University of Texas at Austin Perry-Castañeda Library  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Georgia Harper

There are many options for independent authors and book copyright holders of print books who seek entry into the electronic book market. I have evaluated the methods available for rights holders, including the process of print book digitization and conversion to electronic book format. I have compiled the pricing models from various companies in the electronic book and self-publishing business via web-based research and direct contact with vendors. Meanwhile, an estimation of digitization and conversion cost was established through the development of a workflow at the Perry-Castañeda Library. As a practical example, The Leon Uris book Exodus was digitized and I created an ePub book compliant with EpubCheck v1.0.5 standards. Exodus is one of seven books by Leon Uris that the Harry Ransom Center owns and has the rights to distribute electronically. I have examined the individual steps required for print book migration into marketable ePub format and I have compared the options for how to accomplish each step.

Jennifer June Jones  
*Tales to Tell: Promoting Reading is Fundamental at Linder Elementary*  
Linder Elementary School  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Nancy Quesada

Linder Elementary is one of many schools nationwide participating in Reading is Fundamental, (RIF), a reading motivation program. At RIF events three times per year, students each select one new book to keep. The school librarian plans for RIF themes and promotes and conducts RIF events. My tasks were to organize the 2010/2011 RIF themes, promote the bilingual library book collection on selected RIF themes, generate enthusiasm for RIF among the students, and share my work with other librarians in Austin ISD. To accomplish this, I prepared a book order to support the fairytale/folktale theme, selected bilingual book covers from the library OPAC for the RIF themed bulletin board displays, and planned motivational activities for the RIF visits. I designed three interactive bulletin boards in order to develop RIF themes, create enthusiasm, and highlight related English and Spanish library materials. Materials from the fairytales/folktales bulletin board were duplicated and sent to other Austin ISD libraries participating in RIF for use on their campuses. My RIF Plan will be used at Linder in 2010 - 2011.

Evan Knight  
*Paper Conservation Internship*  
Buffalo Bill Historical Center  
Faculty Supervisor: Consuela Metzger  
Field Supervisor: Beverly Perkins

The focus of my capstone experience was the conservation of works on paper. I worked as an advanced conservation intern at the Buffalo Bill Historical Center (BBHC) for the summer where I treated over 10 objects. BBHC is an institution in Cody, Wyoming comprised of five museums, a research library, and the archives of "Buffalo Bill" William Cody. My poster highlights only two of the treatments I executed there as well as a summary of a small research project to characterize inorganic elements with X-ray fluorescence spectrometry (XRF). The first treatment presented in the poster describes the stabilization, conservation, and restoration of a yellowed and torn lithograph depicting "Buffalo Bill" very early in his show-business career from the 1870s. The second treatment describes the stabilization and conservation of a Japanese color woodblock print from the 1880s which had faded, yellowed, cockled, and also presented a number of conservation challenges. Finally, there is a summary of my minor project to characterize pigment and paper with XRF, a largely non-destructive analytical technique.

Justin Kovar  
*Chasing Time Code: Developing a Migration Plan for ADATs from the George Sanger Collection*  
The UT Videogame Archive at The Dolph Briscoe Center for American History  
Faculty Supervisor: Sarah Cunningham  
Field Supervisor: Zach Vowell

The UT Videogame Archive contains many boxes of George Sanger's game audio recordings in the Alesis Digital Audio Tape (ADAT) format, a proprietary multi-track digital audio format that was recorded onto magnetic S-VHS tapes. Since digital signals on magnetic tape are notoriously unstable, and most of this material has been stored this way for at least 12 years, now is the perfect time to create a migration plan and put it into action. This Capstone began as an extension of a group project for Dr. Galloway's INF 392K class, in which audio was successfully migrated from ADAT to WAV format. In this project I'll attempt to pass more significant properties from the ADATs through the migration process, most notably synchronization between multiple tapes, and the recall of track names and location points. To accomplish this, I tracked down rare and discontinued equipment, and then tested multiple hardware and software configurations in order to create a final migration plan that passes on the significant properties of the original ADATs while remaining understandable and affordable. For the final step of the project I will migrate, process and ingest more than 56 ADATs into the Center for American History's digital repository.

Laura Larsell  
*Library Instruction and Adult Library Programming at Austin Public Library*  
Austin Public Library  
Faculty Supervisor: Loreine Roy  
Field Supervisor: Bonnie Brzozowski

In discussion with librarians in the reference department at Austin Public Library, job seeking skills were identified as an opportunity for library instruction. Familiarity in this subject area can be invaluable to information seekers and can greatly improve an individual's ability to find and acquire a job. In addition the APL seeks to offer quality adult programs that are informational, educational, cultural, and recreational that both celebrate APL's materials and services and the rich diversity of Austin. Kimchi-making was identified as an opportunity for adult programming content. This capstone project will develop, advertise, and lead one original adult library program at the Faulk Central Library demonstrating the process of Kimchi-making, highlighting Austin Public Library resources. The program will develop skills and foster interest in and highlight community and cultural services at Austin Public Library This capstone project will also develop, advertise, and teach one public computer class covering job searching websites. The class will cover original curricula, include a handout, and will be taught at the computer classroom at the Faulk Central Library. The class will develop information and job seeking skills and highlight Austin Public Library's computer classes and career development resources.

Shawn Livengood  
*Search Engine Marketing Project For Austin Startup*  
Karmaback  
Faculty Supervisor: Randolph Bias  
Field Supervisor: Harlan T. Beverly

Karmaback ([www.karmaback.com](http://www.karmaback.com)) is an Austin-based social media marketing startup that launched in June 2010. To gain publicity for its new offering of social media sweepstakes marketing, I was asked to create a search engine marketing plan, and build out search engine marketing accounts on Google AdWords, Facebook, and LinkedIn. My capstone project also involved providing usability and marketing feedback for Karmaback landing pages, and creating a display advertising campaign to show banner ads on relevant websites. These advertising efforts were targeted towards potential business partners of Karmaback, who would purchase the sweepstakes marketing packages and generate revenue for the startup. By leveraging web analytics and pay-per-click account data, I will be able to determine how Karmaback can focus its search engine marketing efforts to produce optimal results. At the end of the project, I will be able provide this data to Karmaback to assist with future marketing efforts. This data will include the most effective search engine keywords, text ads, image ads, and variations of the landing page.

Craig McCarthy  
*School Library Practicum - Book Order Project*  
Blanton Elementary School  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Christina King

The book order project was thought up as a way to gain practical knowledge and experience in school librarianship. Christina King, the librarian at Blanton Elementary, helped to get the project off and running by demonstrating the vendors and resources available to complete the project. The vendors Follett, Scholastic, and H. W. Wilson were considered as they are three of the most widely used book vendors. Follett was chosen because of the built in collection analysis options available through their ordering website "Titlewave". Through Sirsi, the Austin ISD automation system, the circulation statistics were examined. Personal observations of the patrons on a day to day basis provided an understanding of current trends and popular materials. Through the collection analysis it was determined that several non-fiction sections were out of date and would have to be addressed in the identifying of needs step. Observations and Sirsi circulation statistics helped show a trend towards graphic novels being highly popular and so more of those were added to the order as well.

Amanda McClendon  
*Planning and Marketing Events for APL Adult Summer Reading*  
Austin Public Library and Recycled Reads Bookstore  
Faculty Supervisor: Dr. Mary Lynn Rice-Lively  
Field Supervisor: Mindy Reed

This project involved planning events to mark the beginning and end of, as well as promote, Austin Public Library's adult summer reading program, as well as promotion for the summer reading program itself. The events were advertised through community newsletters as well as through Recycled Reads Bookstore's blog and Facebook page. The learning objective was real-world experience in planning and marketing a library event with a small budget, as well as having to deal with and work around rather stringent social media rules set by the City of Austin. Another aim was to increase participation in Adult Summer Reading, as well as promote the mission of Recycled Reads Bookstore and the system's social media presences. This included not only the events, but weekly promotion in the store through displays and word of mouth to customers. Overall, the project served as relevant experience for a future career in public librarianship, as preparation for dealing with city government and in promoting library services and events to members of the surrounding community.

Michael McFarlin

*Preserving the U. S. Marine Corps Combat Recordings Collection*

Library of Congress, Packard Campus for Audio Visual Conservation, Culpeper, VA

Faculty Supervisor: Karen Pavelka

Field Supervisors: Eugene DeAnna, Dawn Frank

The U. S. Marine Corps Combat Recordings Collection at the Library of Congress Packard Campus for Audio Visual Conservation contains over 1500 audio recordings of battlefield commentaries, interviews and programs from the Pacific campaigns of WWII. The recordings are housed on wire recordings, filmstrip loop recordings (Amertape), lacquer and vinyl discs, and approximately 300 reel-to-reel tapes. The focus of this project was to begin the digitization and preservation of the tapes, which are preservation copies of the original master recordings. I used Pyramix software on the Library's digital audio workstations to segment, audition and quality check the digitized files. I then verified the accuracy of the Library's inventory system information pertaining to the recordings and entered metadata into the Workflow System. Lastly, I created listening copies of the files for delivery to the USMC History Division at Quantico and ingested preservation copies into the Packard Campus digital archive. The project is extensive and will continue in future summers. While working on the project, the Library of Congress named a portion of the collection pertaining to the invasion of Guam to the National Recording Registry for 2010.

Matthew McKinley

*Planning the IC2 Archives and Initiating the IC2 Collection*

IC2 Institute University of Texas at Austin

Faculty Supervisor: Patricia Galloway

Field Supervisor: Bruce Kellison

The IC2 Institute is a research unit within the McCombs School of Business at The University of Texas, Austin. Founded in 1977 by Dr. George Kozmetzky, IC2 focuses on developing new strategies of business management, entrepreneurship, technology integration and wealth creation and testing these strategies in "life-scale" settings. These include organizations managed by IC2 such as the Austin Technology Incubator and the Bureau of Business Research as well as the Fellows Program, an IC2-nominated "global community of creative and innovative leaders". My first task involved arranging and describing an initial body of records within the newly-created IC2 Collection. I accomplished this by first performing an inventory on the scattered boxes to create rough groups, then by performing "MPLP"-style processing upon each group, with more detailed processing and re-housing where necessary. Next, I physically established the archives space by planning (along with a BBR Capstone student) the construction of an on-site archival storage facility. Finally, I collaborated with the BBR student on accession and appraisal policies for the IC2 Archives as a whole. It is my hope that a well-planned and organized IC2 Archives will attract potential donors and researchers from within the IC2 Institute and beyond.

Stacy Michaelsen

*E-commerce + Social Software: A Usability Evaluation of Cheaptweet.com"*

Appozite

Faculty Supervisor: Randolph Bias

Field Supervisor: Jenn Deering Davis

Launched in 2008, Cheaptweet.com is the product of a startup company, Appozite, based in Austin, TX. This social media site displays the result of scanning Twitter for coupons and sales that people are talking about. CheapTweet allows its users to vote on these deals to determine their usefulness and degree of savings. Because the goal of this website is to connect users to deals they search for, I set out to understand the information seeking behavior of bargain hunters in order to better inform the site design. After I consulted with the CheapTweet stakeholders to discover their priorities and set usability goals, I sought to determine the effectiveness of the current design through a user-centered design approach. Upon acceptance of my test plan by CheapTweet and the approval of my IRB application by the Office of Research Support, I began to recruit participants that were representative of typical and desired user groups. Utilizing the methods of an online survey, card sort and in-person usability testing in the IX Lab, I examined the characteristics of deal-seeking behavior and the effectiveness of social ranking for a deal-centric website. Upon analyzing the data, I formalized these findings into a usability report and visual presentation for CheapTweet stakeholders.

Sheri Miklaski

*Enhancing the UT VRC Resources webpage*

The University of Texas at Austin Fine Arts Library - Visual Resources Collection

Faculty Supervisor: Gary Geisler

Field Supervisor: Karen Holt

The Visual Resources Collection (VRC) at UT Austin was originally founded in 1940 and migrated to the UT Fine Arts Library in November 2009. Institutions established VRCs to support faculty needs for images to be used in lectures and research and historically they consisted primarily of slides. However, digital images are now the more commonly used format. The UT Art & Art History VRC has over 500,000 slides and more than 47,000 digital images which can be accessed through UT's Digital Archive Services (DASe) database. In addition to the UT VRC, ArtStor, and Google Images, there are many other sources of images available online. My Capstone project is to enhance the VRC Resources webpage by creating an annotated pathfinder to assist faculty in searching for, citing, and scanning images. An environmental scan of other VRCs was the starting point for my project. After compiling a list of resources, I explored different methods of organizing and presenting the information which included creating tag clouds from College of Fine Arts faculty areas of interest and course offerings and conducting card sorting exercises with the selected resources. The resulting webpage is designed to be an information-rich and timesaving resource for the user.

Mary Stewart Miller  
*End of Year Read Aloud for pre-K to 2nd grade*  
Blanton Elementary School  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Christina King

Regularly scheduled class visits to the Blanton Elementary library had been suspended in the last three weeks of school, so I decided to continue reading aloud to the students in their own classrooms. The objective of my project was to learn how to select appropriate reading material and work with teachers to present it to the students. My methods were to consult each grade level's instructional planning guide, which is a week-by-week break down of the material to be covered. Next, I looked for thematically appropriate read aloud materials in recent Texas Library Association's 2 x 2 lists and found the material in the Blanton collection or another AISD collection. I selected books that not only corresponded to material being studied but that were good for reading aloud (i.e., had sounds, rhymes, strong illustrations, and right length for students' attention span). I met with the teachers during their grade level meetings and heard what the students were currently studying. I showed them books I had selected and got their feedback, especially on material I had selected for the bilingual classes. We came up with a schedule for classrooms visits. The results were as follows:

- I read to 18 classes (and visited the five pre-K classes twice).
- The most successful book—the one that best captured and held the students' attention—was The Doghouse by Jan Thomas. The words and theme were simple but the illustrations were funny and a sense of suspense permeated the story. I read this for both English and bilingual kindergarten classes and all students enjoyed it equally.
- Even though I chose as simple books as possible for the bilingual pre-K classes, I had the sense I was not reaching them. However, these students need to hear a fluent English speaker and I think that increased dramatics with the reading could help engage them.
- A book I feared would be too complex and text-heavy for a read-aloud went over well with 2nd graders because of their ability to participate in the story and the story's overall humor.

Beth Nettels  
*Italian Renaissance Cities: Processing Italian manuscripts of the 14th through 16th centuries*  
The University of Kansas Kenneth Spencer Research Library  
Faculty Supervisor: Chela Metzger  
Field Supervisor: Karen S. Cook

The Kenneth Spencer Research Library at the University of Kansas is home to several substantial collections of Italian Renaissance manuscripts that document the business, legal, and ecclesiastical concerns of various noteworthy Italian families of the period. The Italian Renaissance Cities collection, previously unprocessed, is one such collection. It consists of over 100 letters, receipts, and legal documents originating with leading merchants, bankers, and political figures of Renaissance Tuscany. Approximately one third of the documents are Florentine in origin, with the remainder coming from Pisa and other Tuscan cities, as well as Venice, Mantua, and Palermo. The language of the documents is both Italian and Latin. In preprocessing, I inventoried the documents and established the date, local origin, and creator of each item. Using the bookdealer's records and evidence from the documents themselves, I worked to establish their provenance in order to create an intellectual arrangement and complete the processing of the collection. Finally, I used EAD to create an online finding aid that will be made available through the University of Kansas libraries website.

Jameson Otto  
*Data Transmission in the Smart Grid Market*  
Austin Technology Incubator  
Faculty Supervisor: Claudia Chidester  
Field Supervisors: Mitch Jacobson, Bart Bohn

For my Capstone project I conducted research on data acquisition devices in the smart grid electricity market for Austin Technology Incubator (ATI). ATI is a nonprofit organization founded in 1989 that harnesses local business, government, and academic resources providing strategic counsel, operational guidance, and infrastructure support to assist its member companies in the transition from early stage ventures to successful technology businesses. My task was to research which types of communications hardware is most commonly used by utility and technology companies, what security protocols the market's players follow, and what kinds of databases the companies employ. Finally I was to research what trends the market can be expected to follow over the next 3-5 years. To accomplish this I scoured several business and scientific databases, followed online smart grid portals, and employed search engines to compile my report. My final products include an executive summary, a PowerPoint presentation, an Excel spreadsheet dataset that highlights financial and qualitative information about leading companies, and a detailed written report on my findings so ATI may refer back to it when necessary.

Hyun Seol Park  
*Multi-touch Interaction for Exploring Large Maps*  
The University of Texas at Austin School of Information,  
Faculty Supervisor: Luis Francisco-Revilla  
Field Supervisor: Luis Francisco-Revilla

Geospatial information is an important source for education, environmental planning, or scientific inquiry. In order to allow personal computer users to access the information, many geospatial information systems (GIS) or digital libraries use web-based systems. However, the small-scale display and keyboard-mouse interface of personal computers is not enough to navigate various types of large maps and to explore the information on maps. Also, sometimes multiple people need to see maps and discuss together for their decision-making. Therefore, it is important to investigate how to visualize geospatial information and to provide more intuitive interactions in multi-user and large-scale display environments. The purpose of this project is to develop the multi-touch application for exploring large maps based on the study about technologies and interfaces of collaborative geospatial applications. The application shows organized dimensions of geospatial information, and provides interactions for selection, zooming, navigation, and annotation of the information. Finally, the prototype for the application is built to demonstrate how multi-touch interactions are useful to explore large maps.

Jacqueline Peery  
*Information for People in Crisis (IPIC): An Assessment*  
*Creating Public Library Resources for Survivors of Intimate Partner Violence*  
The University of Texas at Austin School of Information  
Faculty Supervisor: Lynn Westbrook  
Field Supervisor: Lynn Westbrook

The recipient of a 2009 Laura Bush 21st Century Librarian Program Grant funded by the Institute of Museum and Library Services (IMLS), the IPIC study assesses public library service to individuals in crisis situations. Specifically, this study examines the information demands on survivors of intimate partner violence (IPV,) a crime legally recognized as any physical abuse of one partner by another. The capstone project supports the research endeavors of Dr. Lynn Westbrook by managing research logistics, ensuring quality control of interview transcriptions, active participation in data analysis, website evaluation, and thoughtful discussion of resource development and service implementation. By exploring seven communities from geographically diverse regions of Texas through interviews, focus groups and “think aloud” recordings, she and I will analyze the professional relationships, networks and services support between public library, law enforcement and shelter staff members. With this newly available collected data, a set of in-house documentation resources will be developed and distributed to Texas public libraries in support of their programs and services for this vulnerable population.

Nicolas Rejack  
*Preserving Folk Dance in Audio and Video*  
The Society of Folk Dance Historians  
Faculty Supervisor: Sarah Cunningham  
Field Supervisor: Ron Houston

Digitizing obsolete audio visual media such as LP records and video cassettes is the current best solution for long-term preservation and access. In addition, expressive forms such as folk dance benefit from direct documentation provided by audio and video. This allows direct visual and auditory analysis beyond that afforded by graphic or musical notation. For this project materials from The Society of Folk Dance Historians will be cleaned, digitized and formatted for preservation and access. This includes selecting best available copies of existing sound recordings and segmenting and labeling dance videos with appropriate identifiers. Records and videos will be played back, digitized, and archival copies will be created, in addition to access copies with minimal processing. Because many dance records were replayed heavily by folk dance groups locating the cleanest existing recording is a priority. Project outcomes will include high-resolution audio recordings of music released on folk dance record labels during the latter half of the twentieth century and DVDs of folk dance video formatted for easy reference.

Susanne Ristow  
*Museum Exhibit Plan*  
Texas Archive of the Moving Image  
Field Supervisor: Elizabeth Hansen  
Faculty Supervisor: Patricia Galloway

The Texas Archive of the Moving Image (TAMI) holds a wide array of historic footage from the Dallas area. My project at TAMI involved planning a large-scale museum exhibit on Dallas’s moving image history. I focused on exhibit curation and grant funding. For the first half of the project, I researched the topic and created themes for both a physical and online exhibit. I identified which films could be highlighted and where they are currently located. The second half of the project consisted of researching grant opportunities. In addition to writing letters of inquiry to several funding organizations and creating a detailed budget, I developed a report outlining the steps needed to bring this exhibit to fruition.

Lisa Rivoir  
*Organization of the Texas Archive of the Moving Image Video Library*  
Texas Archive of the Moving Image  
Faculty Supervisor: Megan Winget  
Field Supervisor: Megan Peck

The Texas Archive of the Moving Image (TAMI) is a regional repository dedicated to identifying, preserving, promoting, and making accessible the film and video heritage of Texas. To help users discover the rich content of TAMI's collections, I set out to integrate browsing functionality into their online video library. Powered by Glifos and MediaWiki, the online library previously relied on keyword search, as well as select curated collections, for the retrieval and discovery of approximately 900 videos from the TAMI holdings. Using the Categories feature of MediaWiki, I created a new browseable structure that highlights collection strengths. Initially, I studied other moving image digital libraries, conducted a literature review, and surveyed TAMI's holdings using their collection management databases and web statistics. I created category hierarchies, drawing on national standards and local cataloging practice to define sub-categories relating to geographic location, date, genre/format, and subject. After testing the structure, I assigned the online videos to categories and wrote descriptive text for the website. I produced a reference document defining the category terms and providing examples to standardize category assignment during cataloging of future accessions. Finally, I also explored ways to use mapping functionality in Glifos to enhance the user experience and made recommendations to further increase discoverability.

George Royer  
*CNN International Bureau Tape Consolidation Initiative: Facilitating Global Audiovisual Preservation*  
CNN  
Faculty Supervisor: Patricia Galloway  
Field Supervisor: Susan Bennett

A world leader in 21st century news, CNN provides global coverage through a complex network of International News Bureaus. While each of the uniquely situated International News Bureaus delivers new material digitally, they also possess varying quantities of important footage in analog format. Over the course of a two-month internship, this professional experience project culminated in the development of the "CNN International Bureau Tape Consolidation Initiative," through which the tape collections of the International Bureaus will be folded into the central CNN Library at Atlanta. CNN's expansive use of digital video assets will be well served by the acquisition and digitization of materials present in the collections of the International Bureaus. Developing this initiative necessitated the contemplation of logistical considerations, metadata aggregation, data gathering techniques, audiovisual preservation issues, the application of appraisal theory, and digitization workflows. The resulting deliverable provides both the overall schema for an international consolidation while and remains flexible enough to address the diverse needs of an individual Bureau's collection.

Anna Runyen  
*A Library Orientation Presentation for Union Hill Elementary*  
Round Rock Independent School District  
Faculty Supervisor: Barbara Immroth  
Field Supervisor: Lindsay Jones

The purpose of this project was to create an engaging presentation to introduce students to the library program at Union Hill Elementary School. The research on library orientation asserts that, as a result of orientation, students will be more confident, comfortable, and independent when using the library, which will motivate them to use library resources more frequently. With this goal in mind, I interviewed six Round Rock I.S.D. librarians on the components of a successful library orientation presentation. The common objectives were to introduce library staff, relay student expectations in the library, introduce the purpose and uses of the library, teach book selection and check-out procedures, and instruct students in proper book care. I created two informative, age-appropriate presentations using Microsoft Power Point. One presentation is designed for Kindergarten and first grade students, with very clearly defined procedures and a musical component. The second presentation is designed for second through fifth grade students, which shares more detailed information about the sections of the library, reading programs, and information regarding usage of the online catalog and databases.

W. Walker Sampson  
*Modeling and Presenting MITH's Vintage Computing Equipment and Projects*  
Maryland Institute for Technology in the Humanities  
Faculty Supervisor: Patricia Galloway  
Field Supervisors: Matthew Kirschenbaum, Doug Reside

This project is for the Maryland Institute for Technology in the Humanities (MITH) and addresses the vintage computing equipment and software housed at the center. Although the center has a significant collection of these materials and uses these materials for digital media preservation, access and research, the items are not formally organized or documented for either the staff or an interested public. The purposes of this project are threefold:

1. To document and organize MITH's equipment and software according to its needs, which include research, preservation, and legacy media access. This will include documentation for use of devices like floppy controller cards, which may be used for diskette imaging or duplication integrity evaluation.
2. In doing so, to present a modeling and metadata approach for cataloging vintage computing equipment that may be useful for archiving and collecting institutes which find such equipment in their care, either as part of an archival fonds or as office equipment that is used to access and evaluate legacy media in a collection.
3. To create an online focal point for MITH's projects in born-digital preservation and curation.

This will be achieved through a research phase analyzing the computing systems here, the metadata needed, and modeling approaches to these systems. A second design phase will focus on the presentation of this research, metadata and inventory through the Omeka content management system, already at use at the center. The final outcome of the project will be an Omeka site along with a report describing the research and work.

Jill Sison  
*Exhibit Process and Procedure*  
Harry Ransom Center  
Faculty Supervisor: Karen Pavelka  
Field Supervisor: Ken Grant

Working in an institution with a dedicated exhibition unit such as the HRC in the weeks prior to an upcoming in-house and traveling show highlights a part of archival care workflow procedure that affects, and is affected by, every step along the way; and that requires adaptability, creativity, communication, and upkeep on the part of the staff. Adaptability and creativity apply to a number of circumstances, including prioritizing tasks (particularly in a department that has a constant flow of incoming and outgoing material), working with different types of objects and exhibition material, and in working around problems and delays, both before and after the show is on display. What can be done in a certain amount of time can vary greatly depending on staff available and relative experience, and communication becomes crucial in knowing what is possible with what is available, both in terms of materials and in terms of persons available. Budgeting money and materials is naturally important throughout this process, but building in time in an exhibition schedule for both meetings to check for progress on the process and for the amount of material work to be done at all stages of the process remains invaluable.

Katie Sughrue  
*Evaluating and Marketing the Consumer Health Collection in a Pediatric Hospital*  
Dell Children's Medical Center of Central Texas, Family Resource Center  
Faculty Supervisor: Glynn Harmon  
Field Supervisor: Darlene Ennis

The Family Resource Center (FRC) at Dell Children's Medical Center is an inviting place for patients and families to find health information and receive assistance with conducting research. This project was developed to evaluate, market, and improve access to the print consumer health collection in the FRC. To develop the best balance of materials, first the collection and most common health research requests were examined. Topics featured in monthly celebrations and health information pathfinders were studied next, and subject areas to strengthen within the collection in order to meet health information needs were then identified. Thirty titles were recommended for acquisition to expand the subject coverage of the collection. Existing titles were selected for weeding and suggestions made for relocating some books to improve access and to accommodate new acquisitions. To increase patrons' awareness of the collection, bibliographies organized by subject were developed. These will serve as finding aides and enable browsing, as no catalog is available to patrons at this time. An evaluation report was submitted to staff for consideration, subject bibliographies will be placed in the FRC, and also in health information pathfinder binders located at nursing units in the hospital to further market the collection and improve access to materials.

Angela Wacker  
*Program Evaluation for iChoose Sexual Health Teen Summit*  
iChoose Community Coalition  
Faculty Supervisor: Lecia Barker  
Field Supervisor: Amy Pierce

This evaluation examined both the development and delivery of programming as well as outcomes for both teens and parents. This evaluation established five key objectives to be assessed throughout the course of the project:

- Why do Austin adolescents choose to attend the iChoose annual summit?
- What evidence-based strategies does iChoose utilize in its session curriculum, annual Summit and follow up measures?
- Do instructors communicate in a manner that the summit attendees can understand culturally and academically?
- How effective is the annual iChoose Summit in creating or raising awareness about pregnancy and sexually transmitted infection prevention among Austin adolescents?
- How effective is the annual iChoose Summit in providing a comprehensive foundation for influencing behaviors in the areas of safer sex, healthy relationships and positive decision making among Austin adolescents?

In conducting this evaluation, I used a combination of research methods including observation, surveys, and independent research. I sought to identify "best practices" in the areas of evidence-based sexual health programming, health literacy, and cultural competency, using publicly available frameworks, independent research and professional guidelines. Through an in-depth comparative analysis, I evaluated the iChoose curriculum and characteristics of the iChoose summit against these research-based effective practices

Jessica Wood  
*Decker Creek Library Catalog*  
Austin Energy  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field supervisor: La Shawn Jordan

The library at Austin Energy's Decker Creek Power Plant contains over eleven thousand documents that include technical drawings, data reports, and operations manuals. Engineers and technicians refer to these documents frequently in performing the ongoing maintenance and operation of the plant. This project aims to help the Decker Creek library implement an electronic catalog system for easier searching and organization of documents and faster access to both print and electronic versions. The challenges in selecting a system for a special library such as this one include the non-bibliographic metadata needed for the collection and the lack of a professional librarian. I have researched integrated library software options that may be appropriate for this situation. The final product is a list of recommended software to be considered by the Austin Energy plant managers and information technology staff. As an interim solution until a more permanent system can be chosen, I also designed a Microsoft Access database and migrated the existing catalog records from an Excel spreadsheet into the database. This system provides an immediate improvement over the spreadsheet for data entry and record retrieval, and will likely allow records to be exported to a new system in the future.

Kathryn Wright  
*Initializing the Digitization of Archival Materials*  
Mercer University  
Faculty Supervisor: Chela Metzger  
Field Supervisor: Laura Botts

Mercer University is a small, formerly Baptist-affiliated, private university located in Macon, Georgia. The library system has a sizeable collection of archival materials located in its special collections department. However, virtually none of these materials has been digitized and none have been made accessible online. The institution is interested in initializing a digitization project and chose a small test project of items in the Special Collections relating directly to the Civil War. These items include mostly handwritten letters, sermons, poetry, and a photograph or two. My job was to figure out the best way for this particular institution to make these items accessible online. This task fell into three major categories: deciding which metadata should be included, setting digitization standards, and researching with the goal of creating a comparison between two different Institutional Repository platforms previously narrowed down by the institution. Institution size, funding, and manpower were all taken into account when completing these tasks.

Kun-Ying Yang  
*User Research and Information Management in Light of the Advisory Committee on Social Justice*  
The University of Texas at Austin School of Social Work,  
Faculty Supervisor: Mary Lynn Rice-Lively  
Field Supervisor: Michele Rountree

The purposes of this project are to facilitate fair learning environments with the focus on human rights, to eliminate diversities regarding admissions and recruitments, and to strengthen the value of social justice in the School of Social Work. These goals will be achieved through several rounds of user research, heuristic evaluations of Website structure, and digitization of paper-based documents. The cultural groundwork of Social Work stands on the ability to understand, respect, and equally work with people with various social identities. The practicality of the social work profession sits beneath a sturdy value system that can be summarized in two words: "Social Justice." However, as opposed to the reality, even though the core values of the School of Social Work (SSW) address several aspects of social justice alike, there is still a lack of force continuing to strengthen it. As to the awareness, the Dean of SSW in 2009 gathered a group of professionals formed the Advisory Committee working on reinforcing the fundamental value—Social Justice. After spending almost one year of fostering the capacity of knowledge and cultural groundedness on social justice, the Committee was aware that it is time to popularize the awareness and to attract more passionate people into this community. With this project, the Advisory Committee expects to formalize its role in the community of SSW and use this project as an intermediary to send out messages on social justice and to recruit new members. It can also bring people a practical platform to facilitate academic studies and humanity-related developments at all times.

Inkyung Youm  
*The History of iSchool: Digitizing iSchool's 50th Anniversary-related Media*  
The University of Texas at Austin School of Information  
Faculty Supervisor: Pat Galloway  
Field Supervisor: Luke Dunlap

The purpose of the project was to re-format the iSchool's 50th anniversary lecture slideshow, so that the materials can be used in practical way as a promotional media. The 140 slides include valuable photos of old classroom, building, and important people in the history of iSchool. The audio tape narrated by Dr. Ron Wyllys contains 20 minutes of the detailed history of our school. The process of the project contains three parts. The first part is converting the format of the audio tape and 35mm slides to digital files. I will create high quality digital files for preservation purpose and low quality digital files to be applicable for web environment. The second part is imbedding and synchronizing the digitized slides and audio. I will use Glifos Social Media software for synchronizing. Then the created products will be archived in the School of Information digital repository. Although the practical use of the media, slides and an audio tape created in 1998, was very low for current iSchool, digitized and synchronized media will become a useful promotional material.

Yongyi Zhou  
*Location-aware Navigation Application for the MUT Mobile System*  
The University of Texas at Austin School of Information  
Faculty Supervisor: Luis Francisco-Revilla  
Field Supervisor: Luis Francisco-Revilla

A library is a big place, filled with hundreds of thousands of books. A librarian is always there to assist the users, but they might want to find a book on their own by browsing the shelves or checking the catalog. When the user finds the book they need in the catalog, s/he use the call number and any other information about the location to locate the book. But even once has the call number and other information, s/he will still need to follow the signs in the library, then the labels on the ends of the shelves, and then the labels on the spine of each book to locate the book, and this is usually a troublesome process for the reader. As a test instance, I created a library map system for an existing mobile application, called the Mobile University of Texas library catalog (MUT), for the University of Texas' Library online catalog on an Android phone. The map prototype on MUT allows the user to more efficiently navigate through the library and locate books.