

THE UNIVERSITY OF TEXAS
SCHOOL OF



information

Spring 2013 Open House

Friday, May 3rd, 2013

1pm-3pm

1616 Guadalupe Street, 5th floor

PRESENTERS

Alexander Altman

Developing E-Contract Systems for Circular Energy

Circular Energy

Faculty Supervisor: Luis Francisco-Revilla

Field Supervisor: Daniel Koch

The goal of my capstone project was the full integration of e-contracts with existing systems at Circular Energy. I assisted Circular Energy with acquiring DocuSign Electronic signature software, and integrated this software package with the companies primary content management system, SugarCRM, and their enterprise cloud storage repository, Box.net. To accomplish this, I configured and deployed customized DocuSign plug-ins for integrating the service with both SugarCRM and Box.net. At the close of the project, I also developed and automated a series of contracting templates for use with DocuSign's Intelligent Document Recognition feature. Finally, I provided an action plan for integrating these systems with the companies existing workflow.

Angela Barratt

Collection Care and Library Lessons in an Elementary School Library

Casis Elementary

Field Supervisor: Barbara Nichols

At the Casis Elementary School Library I got to experience and participate in a wide range of activities, from standard daily tasks to a school-wide author visit. I worked with the librarian and the library aide to care for the collection; I copy-cataloged and processed new books and e-readers, mended worn and torn books, sent books to the bindery, and inventoried part of the collection. I also created shelf signs for popular Dewey Decimal areas and picture book characters (based on observations by the librarian and myself) to help the students locate their favorite topics, making the library materials more accessible. I planned and presented library lessons for two weeks, designing them to get the kids excited about reading as well as tie in with their curriculum. In order to do this I talked to each grade level's team of teachers to discuss what they might want in a library lesson, and planned a different lesson for each grade accordingly. I consulted my librarian, book lists, and my prior knowledge of children's literature, and used resources from the school and public library to present the best materials possible.

Kathryn Benson

Dispatches from the Children's Desk: Adventures in Public Library Youth Services

Cedar Park Public Library

Field Supervisor: Kit Coates

Over the course of this project, I have gained experience in planning and implementing programming for children and teens in public libraries. I've also gained invaluable reference and reader's advisory experience. This semester at the Cedar Park Library, I've organized and implemented Explorer's Club programming for kids in K-5th grades. Through programs such as Crafty Kids, Super Science, Storytime, and Lego Lab, I've melded books, learning, and technology. Additionally, I've led Teen Book Club, an exciting book discussion program, which includes visits from local authors. Finally, I've led teen and family gaming events, which give teens and families the opportunity to come together around video gaming, board games, and card games. The deliverable for this project is a website, "Dispatches from the Children's Desk," which charts my program planning, as well as compiling online resources for children's and teen's programming and reader's advisory. My hope is that this website will chart my learning, build community with other youth service librarians, as well as providing a useful compendium of online resources for the librarians at the Cedar Park Public Library.

Caitlin Burhans

Managing the Texas Historical Records Advisory Board Survey and Database

Texas State Library and Archives Commission

Field Supervisor: Laura Saegert

This project was based on a survey conducted by the Texas Historical Records Advisory Board (THRAB) that inventoried the collections, needs, and preservation challenges of libraries, museums, archives, and historical records repositories in Texas. Survey results will be displayed on the THRAB website for the benefit of researchers, as well as participating institutions who may use survey results in writing grants and reports. This survey is the continuation of a survey that was created by THRAB in 2009 through a Connecting to Collections grant sponsored by the Institute of Museum and Library Services, which was rewritten and simplified by THRAB board members with the goal of increasing the return rate. I updated contact information for Texas institutions targeted by the survey, organized the distribution of the survey through the online survey software SurveyGizmo and by mail, and managed the incoming survey results. I created a relational database in Microsoft Access to house the survey results, and populated the database with the survey responses received through SurveyGizmo. Finally, I generated a statistical and narrative report on the survey results, comparing them to the Heritage Health Index national results. Next steps include working with the IT staff at the Texas State Library and Archives Commission to develop a web application to display the results of the survey on the THRAB website.

Hannah Calkins
Social Science Textbook Collection
University of Texas, Perry Castaneda Library
Field Supervisor: Janelle Hedstrom

This project is developing the existing textbook collection at Perry Castaneda Library to include social science textbooks adopted by the state of Texas from 1919 to 1971. This is a preliminary project intended to establish an efficient workflow that can be applied to similar textbooks in different subject areas in the future. Because of the extreme success of its textbook adoption policy, the state of Texas has driven sales of textbooks in other states and has effectively established grade school curriculum for the United States as a whole since the early 20th century. Consequently, a collection of adopted textbooks is also a collection of 20th century national grade school education materials. These books, which have been in storage for years, are in high demand by individuals studying curriculum, public policy, and the history of education. This collection will be of value to students, faculty, and members of the public both in Texas and elsewhere. In addition to rebuilding the physical collection, this project will also create a finding guide for the new collection and educational materials for library reference staff.

Julia Casas
Currency, Accuracy, and Purpose: A School Library Collection Analysis
Eastside Memorial High School
Field Supervisor: Ellen Thibodeaux

Eastside Memorial High School, a Title I school, is located in an impoverished part of Austin and has been threatened with closure for the past few years. With an annual library budget of \$1000 and a total student population of 554, the average expenditure per pupil works out to roughly \$1.80 per student. This is well below the average according to School Library Journal's most recent report. I became curious about the state of the collection after performing inventory of the library and chose to perform a collection analysis for my Capstone project. I focused my evaluation on circulating nonfiction and biographies because the school's TAKS scores in Science, Mathematics, and Social Studies were below the state, and district, average. I judged the collection based on age, relevancy of information, and how it aligned with AISD's curriculum guides. The first step was to select a representative sampling of the collection and analyze the collection age and currency. The second step was to evaluate collection strength with regard to district-wide high school curriculum standards. Finally, I compared the collection to senior high school core collection bibliographies and recommended items to add to the library's collection.

Eleanor Dickson
*Designing a Framework for Digital Exhibits at the Briscoe Center for
American History,*
Dolph Briscoe Center for American History
Field Supervisor: Zach Vowell

The Videogame Archive at the Briscoe Center for American History is of strong interest to video game researchers and enthusiasts. Comprised of hardware, software, and paper and born-digital development manuscripts, the collection heretofore has had limited representation in the Briscoe Center's preexisting web offerings. This project used Drupal to envision a digital exhibit of video game development materials from the designer and new media artist, Heather Kelley. Focusing on her role in the development of the game Thief 3: Deadly Shadows, the exhibit seeks to represent the video game development process by juxtaposing design documentation with walk-throughs of the finished product. Kelley's voice was further brought to the exhibit through an oral history interview exploring her recollections of working at Ion Storm in Austin, her experience as a woman in the video game industry, and the significant features of Thief 3. From start to finish, this project involved: assessing and selecting a content management system, digitizing paper-based documents, conducting an oral history interview, modeling and recommending Drupal modules for future digital exhibits at the Briscoe Center, and developing a mock-up of the exhibit.

Megan Dirickson
*New Standards: Implementing Digital Asset Management at the University of
Texas at Austin*
University Marketing and Creative Services, The University of Texas at Austin
Field Supervisor: Rachel Appel

The digital images created by staff at the University of Texas at Austin are valuable assets. However, each unit on campus individually manages its own digital images in a haphazard manner. A Digital Asset Management System (DAMS) is essential as digital assets threaten to become inaccessible due to increasing numbers of digital images, technology obsolescence, and other preservation risks that threaten all digital media. I worked with the School of Human Ecology and the International Office to manage their implementation and use of a centralized DAMS. Beginning with a consultation with core users and an assessment of their images, I migrated the images into the DAMS and created guidelines and workflows for their ongoing management. The guidelines include a new taxonomy and file naming conventions, metadata standards, risk management (copyright, privacy and security), and a workflow and controlled vocabulary for cataloging. I cataloged a sample of their existing images and provided training for core users. With the newly implemented DAMS and accompanying guidelines, workflows and standards, the School of Human Ecology and the International Office will be able to easily manage their digital images well into the foreseeable future.

Arcadia Falcone
***Better Access for Born-Digital Archival Collections (Or, How I Learned to
Stop Worrying and Love the Command Line)***
Dolph Briscoe Center for American History
Field Supervisor: Zach Vowell

My project improves access to born-digital content in archival collections by creating a toolkit to automate and enhance processing workflows. As a test case, I processed legacy digital media from the Walter Cronkite Papers at the Dolph Briscoe Center for American History, including one hundred 5.25" and thirteen 3.25" floppy disks dating from the mid-1980s to the early 2000s, containing documents in a variety of obsolete file formats. After preserving disk images in the UT Digital Repository with basic technical and descriptive metadata, I developed a toolkit of Perl and bash scripts to streamline and enhance processing the disk content. The toolkit extracts detailed technical metadata at the file level, increases the usability of that metadata by consolidating disk-by-disk descriptions into a unified dataset, and facilitates sorting and filtering by transforming metadata formatted as unstructured text into tab-delimited fields. In addition, the toolkit automates the process of mounting the preserved disk images to make access copies of file contents while maintaining the original directory structure. The end result is not only enhanced description and access for the born-digital component of the Cronkite Papers, but also a workflow and set of tools that will streamline future born-digital processing projects.

Zachary Fischer
Navigating the Labyrinth of E-journal Usage Statistics with 360 Counter
University of Texas Libraries
Field Supervisors: Jim Irwin and Shiela Winchester

The ability to quickly generate meaningful statistical data for electronic resources is needed as more libraries acquire electronic journals; however, gathering the statistical data from vendors is often a Herculean task. Without accurate and easily accessible data, it is difficult to make sound collection development decisions, which are crucial in this economic climate. Serials Solutions offers one possible solution. Serials Solutions' 360 Counter is capable of monitoring and searching electronic resource usage data, but the new software has yet to be fully investigated by bibliographers at the University of Texas Libraries. This project focuses on the integration of Serials Solutions' 360 Counter in Classics electronic journal collection development. Furthermore, this project tests and describes Serials Solutions' 360 Counter's ability to generate meaningful statistical data for a Classics bibliographer. The results of this project indicate that the new software is user friendly and the data is reliable. Although this project focuses on Classics electronic journals, the project is applicable for all collection development librarians. The workflow and data is displayed in flowcharts, graphs, illustrations, and text.

Lydia Fletcher
Letters from London: Processing and Digitizing a Collection of Seventeenth-century Newsletters
Harry Ransom Center
Field Supervisor: Joan Sibley

For my professional project, I am processing and digitizing a collection of seventeenth century newsletters at the Harry Ransom Center. These primary source documents are an excellent witness of daily life and events in London as conveyed to their recipient, Sir Richard Bulstrode, in Brussels. My participation in the project is to survey and describe the manuscript letters, create rich metadata for each letter, oversee the digitization of the letters, and import them into the HRC's ContentDM database and manage their publication to the HRC's website.

Jordan Forbes
Digitization of Texas Education Agency Bulletins
University of Texas Libraries
Field Supervisor: Janelle Hedstrom

For nearly a century, the University of Texas at Austin Libraries have collected, bound, and made publicly available informational bulletins published by the Texas State Department of Education and the Texas Education Agency. These bulletins contain annual statistical reports, biennial status reports, and curriculum recommendations and requirements for public schools in Texas. The print collection is housed at the Perry-Castañeda Library, and has been heavily accessed by library patrons interested in historical statistical data on Texas schools. My challenge for this project was to digitize bulletins in order to provide free online public access to this historical data. To do so, I created a digital finding aid for the bulletins, a digitization plan and daily workflow, an instructional digitization guide, and a collection description. I created preservation masters and access copies using a Knowledge Imaging Center Bookeye4 scanner, a USB thumb drive, and a Dell Optiplex 990 computer workstation (running Windows 7), and I recorded appropriate metadata for the files. In addition, I made these searchable PDF files and their metadata available as a digital collection in the University of Texas Digital Repository, and I linked this collection to the University Libraries' online Education Subject Guide to aid patron access.

Franny Gaede
Alphabet Soup: METS, MODS, and Metadata Guidelines for Still Images
The University of Texas Austin Perry-Castaneda Library
Field Supervisor: Amy Rushing

The University of Texas Libraries collect and incidentally create a great deal of metadata while digitizing books, journals, and photographs, but there is no established standard for what metadata should be saved. To create this standard, I developed comprehensive METS-based (Metadata Encoding and Transmission Standard) metadata guidelines for still images. These guidelines were based on earlier work done for the Human Rights Documentation Initiative to describe audio, video, and archived websites. Using the “Contributions in Marine Science” digitized journal collection as a test case, I determined and documented the technical, source, and descriptive metadata requirements, while engaging with current and emerging metadata standards, including METS, MODS, Dublin Core, MIX, and PREMIS. The metadata guidelines I created were used to create a METS profile expressed in XML that will be registered with the Library of Congress. These guidelines will standardize the metadata collected by the Preservation & Digitization Services department during the digitization process and enhance discoverability and ensure long-term usability.

Jessica Gauthier
Implementing University Records Management Policy at the Office Level
Office of the Vice President of Research, the University of Texas at Austin
Field Supervisor: Cindy Brown

Records Management Policy at the University of Texas at Austin is presently written on a broad level, and requires each department to establish procedures in its Records Management Plan. In Fall 2012, the Office of the Vice President for Research created a records management internship in order to bring its records management actions in line with university policy. I conducted an office records inventory and wrote an implementation plan for disposing of legacy paper files, the first step in taking the office toward being completely digital. This Spring, I built on this foundation to accomplish several key tasks. First, I oversaw the application of University records retention codes to request disposition on the contents of eight file cabinets. I also designed a file plan and selected a set of file naming conventions to ensure the consistent classification and organization of office records, while also making it easier for staff to take records management actions. Finally, I wrote the Records Management Plan, providing documentation of all records produced by the office, as well as procedures for classifying, naming, requesting disposition, and verifying accuracy of digitized records.

Rebecca Herscowitz
Test Prep Resources Guide for the UT Libraries
Perry Castaneda Library (UT Libraries)
Field Supervisor: Janelle Hedstrom

I developed content and created a web-based tutorial for the UT Libraries on library test prep resources. In order to promote the guide, I created and implemented a marketing plan which included outreach to campus departments such as Career Services, print materials, and website integration. I also planned and lead training sessions on these resources for library staff at the Reference Showcase. I aided in collection development by researching current test-prep materials and assessing the collection, selecting outdated materials for weeding, recommending new materials to improve the collection, and purchasing materials using Gobi Systems.

Amy Jensen
Library Users Using Databases
Buda Public Library
Field Supervisor: Melinda Hodges

Teen Tech Week is an American Library Association initiative that gives teenagers the chance to learn and explore technology in the library setting. At Buda Public Library, where I completed my Capstone, I planned, publicized, and implemented three classes for Teen Tech Week. Two of the classes each covered a database that is offered through the library, and the third class was a workshop where I taught the teens how to make a Prezi presentation. The two databases I taught on were TOPICsearch and Student Research Center. My lesson plans included reasons to use a database when researching, how to conduct different searches on the specific databases, and search tips that can be used when searching. In addition to planning for the Teen Tech Week programs, I also looked at one more database called InfoTrac Newsstand. For this one and the other two databases, I developed a handout that included the reasons to use a database, the different types of searches, and the search tips. I also recorded instructional videos on how to search on each database. These handouts and videos have been made available to the library users through the library's website.

Philip Johnson
Pre-Genesis of the Law: Experiences in an Academic Law Library
Tarlton Law Library, University of Texas at Austin
Field Supervisor: Matt Steinke

The academic law library primarily serves the law school's community of students and faculty as the locus of research and research assistance. The research done by students and faculty directly and indirectly influences the creation and interpretation of the law. The Moore Program for Law Librarianship at Tarlton Law Library, which serves the University of Texas School of Law, offers an opportunity to gain a holistic understanding of and practical experience in a contemporary academic law library. The Moore Program entails three focused, in-depth projects in different library departments as well as orientation and practice in the library's other departments. In this instance, the three projects were the creation of an online newspaper research guide, developing a plan for the continuation of subscriptions to print journals, and the crafting of a web

exhibit highlighting the history of the law school. Together, these projects gave me an opportunity to understand and mediate the myriad challenges that face academic law libraries, whether that meant increasing access to little used, yet valuable, resources; determining the right balance in provision of print and digital resources; or bringing to light a little known piece of legal history.

Emily King
The E-Reader and the Modern Middle School
School Library Practicum
O. Henry Middle School Library
Field Supervisor: Sara Stevenson

As the student teacher librarian at O. Henry Middle School, I performed a wide range of activities ranging from library instruction and reader's advisory to collection management and web development. The culminating project of my Practicum in a School Library concerned integrating thirty-eight Barnes and Noble Nook HD Touch tablets into our library program. I created ""Nook Notes"" tutorial web pages targeted to both students and parents to teach them about the Nook's capabilities. I collaborated with a teacher to introduce the Nooks to several Resources ELA classes where I helped students use the Nook's text-to-speech feature to read James Patterson's Middle School: the Worst Years of My Life. Additionally, I conducted a Nook pilot study with Book Club students where I facilitated a user feedback questionnaire. The questionnaire explored topics such as what the students did with the Nooks, what they found difficult or confusing about the Nook interface, what activities they think the Nook is best for, etc. These experiences and data informed my ""Nook Notes Wiki"" which aims to help O. Henry Middle School faculty utilize, maintain and distribute the Nooks.

Patricia Lantzy
McKinney Engineering Library Collection Development Policies
McKinney Engineering Library, University of Texas at Austin
Field Supervisor: Robyn Rosenberg

The traditional assumption that every library must have a written collection development policy to guide the acquisition of new library materials has become increasingly questioned in academic libraries because of the static nature of written policies, which contrasts with the ever-changing nature of library collections. The goal of this Professional Experience Project was to develop collection development policies that were useful, dynamic, and adaptable. Although the deliverables of this project were individual collection development policies for six departments in the Cockrell School of Engineering, similarly important was the process of researching the qualities that make a collection development policy relevant and understanding how to recreate the process so they can be periodically updated. During the development of these policies, it was necessary to research each department in-depth to create the parameters for each policy. This exploration included determining important areas of faculty research via their websites and publications, reviewing the goals and missions of department-affiliated research centers, and recording significant grants or awards received by the departments. This project emphasized the importance of modeling a collection development policy from an evaluation of the research interests of students and faculty in a way that can be easily updated and modified over time.

Darien Large

Metadata discovery and digital asset migration at the Harry Ransom Center
Harry Ransom Humanities Research Center at the University of Texas at Austin
Field Supervisor: Chris Jahnke

At the Harry Ransom center, digital assets (images of digitized documents, manuscripts, photographs and artwork) produced for preservation and access, or for patron research requests, exist in a legacy format (multiple filesystems) clustered in several batches that are not integrated into the currently used digital image database system. In many cases metadata does not exist and will need to be created before the files can be migrated to the new system. The directory structure of these filesystems and finding aids existing in plain text format were analyzed to create metadata implicit in these assets and to describe it in a structured form. Software tools were developed to perform the actual migration of files (including renaming files) and create database records. Written guidelines were created for procedures to discover and migrate legacy database records and digital assets in the future.

Emily Lazo

The National Center for Women & IT Usability Testing
The National Center for Women & IT
Field Supervisor: Dr. Wendy Du Bow

I conducted usability testing of the newly redeveloped website for the National Center for Women and Information Technology (NCWIT). I conducted several rounds of usability testing, with both local and remote participants - the latter with actual members of NCWIT, in locations across the country. I worked with Dr. Wendy Du Bow, the Director of Evaluation at NCWIT, to identify areas of the website most in need of evaluation, as well as to set all other test parameters. In the tests, I gained experience with various software used to facilitate local and remote usability testing. I gathered both quantitative and qualitative data, and analyzed these data in order to provide recommendations for improvements to the website based on my findings. Throughout this project, I have gained valuable real-world experience in usability testing, as well as had the opportunity to hone various skills that I already possess, including drafting a usability test plan and performing statistical analysis of data gathered. In addition to gaining real-world experience, I have the satisfaction of witnessing my research lead to changes that will support and advance the mission of NCWIT.

Erik Malmberg

Development of an Information Technology in Student Affairs Course
Texas State University
Field Supervisor: Dr. Paige Haber-Curran

The capstone experience is connected to student affairs, which is the field I currently work, but I believe it is distinct enough. It would not be with the department I work in; instead it would be with an academic department to create an "Information Technology in Student Affairs" course to be offered in the summer. It is an opportunity blend my student affairs experience with what I have been learning from

the Information Science program. The goals for the capstone were to develop a greater understanding of the information technologies used in student affairs practice; information literacy skills needed for student affairs professionals; impact of information technologies on student affairs practice; and impact of technology on college students and their development. It was also intended to improve my curriculum development and project management skills.

Cynthia Mancha

Paving the Way for Terra Prime: Raising Awareness About the Problems With MC-30

Terra Pave International, Inc. /University of Texas Center for Transportation Research

Field Supervisor: Dr. Yetkin Yildirim

The prime coat market is dominated by a material called MC-30. Though highly effective at serving its purpose of waterproofing the base of a pavement structure and bonding it to the surface layers, MC-30 poses a risk to the general public and environment, as it releases volatile organic compounds that facilitate ground-level ozone formation. Additionally, it poses a direct threat to workers who transport and apply the material, as it is subject to explosion at low temperatures and emits hazardous fumes. This aim of this project was to raise awareness about these issues by aggregating a number of disparate resources into a concise piece that explains the problems with MC-30, discusses legislation surrounding the material, examines the limitations inherent in the legislation, documents MC-30's continued use, and suggests alternatives. Composing this piece involved reviewing known resources, conducting further research, extracting data from various databases to gather and extrapolate descriptive statistics, and creating a clear organization scheme through which to communicate the information. Terra Pave International has developed a product, Terra Prime, that mitigates MC-30's dangers while matching its effectiveness; eventually, increased awareness might persuade people to consider Terra Prime as a viable alternative, creating a safer environment for us all.

Margie Maxfield

Find, Evaluate, Manage: Video Tutorials for Distance Learners

Concordia University Texas

Field Supervisor: Mikail McIntosh-Doty

In this project, I created five-screen cast, video tutorials aimed at Concordia's distance learners, but that would also be useful for traditional students. The tutorials explore how to find articles, manage citations and sources, format bibliographies and evaluate articles. Over the course of the project, I evaluated the student's needs, found free and low cost technologies suitable for the project, and collaborated with the library staff to produce and host the videos.

James McBride
Rare Book Cataloging -- The Uzielli Collection of Aldine Press Books
Harry Ransom Humanities Research Center
Field Supervisor: Ryan Hildebrand

Founded in Venice by Aldus Manutius in the early 1490s, the Aldine Press printed highly influential books, both in terms of the history of book arts as well as through their contribution to Classical scholarship, into the late 16th century. The press produced many of the first known printed editions of Latin and Greek authors, and introduced many printing conventions that render the appearance of these books contemporary to modern readers. The Harry Ransom Center possesses over 900 volumes of Aldine press books, 287 of which were donated to the institution in the mid-1980s by Giorgio Uzielli. This portion of the Center's Aldine holdings is still largely uncataloged, and therefore remains somewhat hidden from patrons. This project created detailed records of approximately 60 of those volumes for the University of Texas library catalog. In-depth notes were made regarding the publishing history, printing features, bindings, and provenance of the books through thorough examination of the volumes and consultation of relevant bibliographies. Books were cataloged in OCLC Connexion according to the rules set forth by Descriptive Cataloging for Rare Materials (Books) (DCRM[B]), and controlled headings and terms from LCSH, RBMS Controlled Vocabularies, and the Getty AAT were applied to records. Further record editing was conducted with Millennium cataloging software.

Mary Jane McClendon
Defending the Freedom to Read: Resources for Book Challenges
Ridgeview Middle School, Round Rock ISD
Field Supervisor: Linda Kay

An important part of a school librarian's job is fostering intellectual freedom by encouraging young readers to explore literature and protecting students' right to access information. While adhering to a well-articulated selection policy promotes the inclusion of appropriate materials in a collection, diverse opinions of what children should and should not be reading will always exist. Preparation is vital to navigating book challenges and ensuring deserving titles are kept on library shelves. My goal is to create a reference resource for addressing book challenges. To do this, I will focus on the ALA's Most Challenged Books List of 2012. For each title listed, I will collect positive reviews from reputable review sources, list any awards and recommendations, identify the most common complaints and recommend defenses, and gather data regarding previous challenges and outcomes. Information will be collected in the form of a hard copy binder with multiple copies to distribute to teachers, administrators, and fellow librarians as needed, as well as an online resource. Creating such a ready reference will serve several purposes. First, having such a resource minimizes the research time needed when a challenge occurs. Second, this information can be easily disseminated to others needing to defend the inclusion of titles in their curricula or

collections. Finally, the experience of reading these books and researching the challenges against them will be incredibly informative and help prepare me for the day when a challenge does occur.

Crystal McCullough
Improved Intellectual Access for the Society of Folk Dance Historians Archive
Society of Folk Dance Historians
Field Supervisor: Ron Houston

The purpose of this project was to bring improved access to the intellectual content of the institution's holdings, utilizing standard methods of preservation and access acquired by the student through previous coursework at the iSchool and external internships. The student learned and operated Pinnacle Studio video editing software for digitizing Hi8 video, indexed completed archival quality access DVDs of the Hi8 videos, indexed incoming phonograph records, learned how to digitize phonograph records, participated in weeding the phonograph record collection, and engaged in research regarding the chemical components involved in washing phonograph records. The basic research question was: What is the difference between 1-propanol and 2-propanol? 1-propanol is used in a mixture of water and soap in a 3-step process of washing records. It is also very expensive and the archive was interested in cutting cost by possibly switching to the use of 2-propanol (rubbing alcohol). After researching the molecular structure of both alcohols, it was determined that 1-propanol was more appropriate, and that the use of 2-propanol had the potential for harming the vinyl records, as it is a solvent and the vinyl coating on records is petroleum-based.

Nicholas Mitchell
My Art My Access: A User Interface for Describing Artwork
The University of Texas at Austin
Field Supervisor: Dr. Unmil Karadkar

The Fine Arts Library, in conjunction with the College of Liberal Arts IT staff, manages DASE, a large image collection, to which the Blanton Museum contributes its digitized works. These artworks are used by faculty to support courses in disciplines such as Architecture, Art History, Studio Art, and French. Currently, there is no such collection or artwork interface that supports customized description from this audience. For the project, I have designed and built a user interface that will allow faculty and students to define discipline-specific metadata to artworks. The purpose of this website is to support educational objectives, foster collaborative artwork description and serve the needs of specific yet diverse user demographics. The final functioning prototype has been iteratively designed and developed to meet this goal. In addition to the prototype, the project also includes a user testing plan for website usability and utility. The plan will allow user feedback to be gathered and used to make additional improvements to the user interface and design as well as guide future developers in later iterations.

Thomas Moore
Famigo: Competitive Intelligence for the Family-Friendly Mobile Technology Industry
Famigo
Field Supervisor: Matt McDonnell

In this project, I used competitive intelligence researching skills to build out an information portal for the Famigo team to easily access content about the mobile technology industry, family-oriented businesses, and industry thought leaders. I created a prototype for an information dashboard for the company's social media presence using the Tableau Software Suite. The information portal was created within Atlassian Confluence, a document-sharing platform. Extensive research was compiled about privacy law developments coinciding with the recent updates to the Children's Online Privacy Protection Act that apply specifically to the mobile technology space. Lead generation for future partners from mobile technology, telecommunications, education, and family-oriented businesses was conducted to create points of contact for the business development and marketing teams. Famigo is an Austin Technology Incubator affiliated company that develops family-friendly mobile technology solutions. Matt McDonnell is the Vice President of Operations and has acted as the field supervisor for this project. Thomas Cole Moore has completed his MSIS coursework at the University of Texas at Austin School of Information with emphasis in competitive intelligence, information marketing, and user-centered design.

Sarah Morris
Demystifying the Research Process: Creating Instructional Materials for Undergraduates
University of Texas Libraries
Field Supervisor: Meghan Sitar

At the University of Texas Libraries, undergraduate students who attend library instruction sessions often arrive at their session early in the research process. Later, these students often need information about how to best manage their research materials. For my capstone, I produced a series of instructional materials for undergraduates (primarily first-year students) in an effort to give students a better understanding of what the research process is and how it works. My capstone project culminated in three related resources. First, I created an interactive series of video tutorials on the topic of organizing and synthesizing research sources. These videos will be utilized by the instruction librarians at the University of Texas and will be made available to students, professors, and other users via the library website. I also designed and taught a library drop-in class that surveyed a selection of tools and apps that students can use to better manage their research materials. Finally, I created an online guide to accompany and supplement the drop-in class I designed. Taken together, these instructional materials can be used by instruction librarians and professors to further explain and explore the research process and to empower students to succeed in college-level research.

Melissa Mote

Exploring the Educational Potential of e-Reader Technology at the Elementary Level

Lee Elementary School

Field Supervisor: Suzanne Wofford

This project explores the educational potential of the Nook e-reader at the elementary level, both in the school library and as part of the greater curriculum of the school. In Spring 2013, Austin Independent School District unexpectedly gifted each school in the district with a set of Nook e-readers. Lee Elementary School, where I am completing my practicum experience, received fourteen devices. AISD provided the devices, but determining their method of use has been largely left up to the librarian. With the annual budget already spent and limited time left in the semester, the challenge becomes finding a dynamic, intuitive way to work the devices into the curriculum at little or no cost. With the collaboration of the librarian and grade level teachers, I am leading a Nook pilot program with a small group of second grade students. The three-phase program is ongoing, and will consist of an initial introductory workshop, guided reading activities using apps, and a discussion phase involving students, parents, and teachers. The pilot program will inform future use of the devices within the school and will provide deliverables in the form of a video tutorial and lesson plan suggestions.

Robert Newell

Design and Usability Testing for Dell Client Computing Software
Dell, Inc.

Field Supervisor: A. Fleming Seay

This project applies user-centered design principles to the testing, evaluation, and design of client computing software currently under development at Dell. The company's Backup and Recovery application provides backup management beyond the basic services offered by Microsoft's Windows 8 operating system. Two of Dell's primary objectives as it evolves the software are that users understand how to exploit "DBaR's" functionality as well as move seamlessly between the new Windows 8 OS and its nested Dell application environments. This project began with a review of the findings from usability studies of earlier versions of Dell Backup and Recovery and related Dell software. I then refined mockups by the lead designer and built an early-stage interactive prototype. With this limited-functionality prototype, I designed a usability test plan following Dell testing protocol and tested eleven users. I presented a summary and analysis of the findings as well as design recommendations in a report to product team stakeholders. Finally, I redesigned several screens of the application to inform the product team's next DBaR 2.0 iteration.

Betsy Nitsch
A New Dawn: Improving Access to the Norman O. Dawn Collection
Harry Ransom Humanities Research Center
Field Supervisor: Steve Wilson

The Harry Ransom Center's Norman O. Dawn (1886-1975) collection consists of correspondence, draft chapters from an unpublished autobiography, an audio taped interview, and, most significantly, 164 multimedia display cards meticulously crafted by Dawn to explain more than 230 of the 861 different special effects he created during his years in the film industry (1907-1954). Taken all together, the collection documents the career of this historically significant early special effects cinematographer, inventor, artist, and motion picture director, writer, and producer. My work with the Norman O. Dawn collection has focused on preparing materials for an eventual online exhibition that will improve access while increasing awareness and use of this unique collection for research. To that end, it has encompassed all aspects of the exhibition planning process, allowing me to build experience in everything from preservation and conservation to archival processing, digitization, and digital asset management.

Cary-Anne Olsen
The Identity Presentation of Multilingual Facebook Users
Philip Doty, James Howison, Mary Lynn Rice-Lively

As Facebook grows beyond a billion users (Zuckerberg, 2012), a decreasing percentage of those users are English-only speakers. Facebook provides a platform for multilingual conversation to occur across continents, which requires that Facebook display non-Latin scripts. Because of the hegemony of English and the Latin alphabet on the Web, non-Latin scripts are often ASCII-ized. Displaying non-Latin scripts well facilitates a site where multilingual users can explore their identity linguistically as they post on Facebook. This study examines what factors contribute to multilingual Facebook users making linguistic posting choices. Many have named Facebook as a successful multilingual Web site, thus it is reasonable to expect that Facebook is an exemplar of multilingual social networking sites. This study is an examination and critique of Facebook's multilingual translations. To address questions of how Facebook's interface facilitates or impedes multilingual conversation, the researcher recruited twelve active, multilingual Facebook users to participate in individual interviews and a small focus group. Besides English, these users spoke and posted in the world's four other most widely spoken languages: Chinese, Spanish, Arabic and Hindi.

The researcher found that multilingual Facebook users did not always have a choice in what language they would post. Users faced obstacles ranging from the Facebook app's distorting script display to hardware bias limiting users' text entry. Furthermore, participants' linguistic presentation was not dichotomous between two languages; multilingual users and their friends are accustomed to operating in a multilingual space.

The larger implication of these findings is that Facebook has not solved the problem of linguistic representation for social networking sites. While Facebook has pioneered massive translation projects that can benefit non-English speakers, their solution is not

scalable to less widely spoken languages because even languages with many millions of speakers, such as Spanish, have flawed implementations on Facebook.

Jenise Overmier

Publishing and Scholarly Communication Guide for Education Faculty and Students

UT Libraries

Field Supervisor: Janelle Hedstrom

My capstone project consisted of designing a guide to publishing and scholarly communication for faculty and students in the College of Education to be hosted on the UT Library's website. I created the guide using Drupal, open source content management software, and Camtasia, a software application for creating video tutorials and presentations. The guide includes embedded multimedia tutorials, annotated source lists, and a survey that enables users to provide the administrator with feedback. The project was spawned from a growing need for an aggregate of such resources as seen by Janelle Hedstrom, Education Librarian at Perry Castaneda Library.

Sarah Pfannenschmidt

How do we evaluate this?: Perspectives on evaluation criteria for digital scholarship from the digital humanities community.

Dr. Tanya Clement, Dr. Patricia Galloway

Since the advent of the World Wide Web, there has been an increasing influx of digital scholarship. Such scholarship is not always recognized as legitimate, in part because digital work is still in its 'incunabula phase' and also because the staggering variety in tools, user communities, etc. engenders a host of potentially competing evaluation priorities. These concerns have created a pressing need for appropriate evaluation criteria to fairly assess digital projects. Though this topic has received no small amount of attention in the scholarly literature, discrete solutions and the establishment of firm yet flexible evaluation criteria remain elusive. This paper presents a pilot study that sought to clarify the following: what criteria participants use to evaluate digital scholarship, the place of digital tools in the evaluation of scholarship, who should evaluate digital projects, the role of stated intentions in the formation of evaluation criteria, what role the TEI might play in evaluation of text encoding, and finally how this role would be practically achieved. The study indicated that despite the complex nature of the topic, a number of practical solutions may aid in the legitimization of digital scholarship. In particular, including a statement of intent that explains the methodology of project content and tools goes a long way in establishing definable evaluation criteria for individual projects. The TEI community also has a role to play in promoting recognized evaluation standards, not only of text encoding but also for digital scholarship in general. Examples statements of intent, as well as reviewed projects, could be reviewed and incorporated into the Journal of the Text Encoding Initiative. This publication is an ideal online platform for the discussion of review guidelines and FAQs about the evaluation process, and may work in tandem with other evaluative bodies to clarify what evaluation criteria are necessary to promote fair and accurate assessments of digital projects. Determining what to evaluate and how to do so are perennially relevant questions, and as digital scholarship continues to develop it

has become more important than ever to develop a better of understanding of what we value and why we value it.

Kevin Powell
Building a Policy Framework for the Austin Fanzine Project
Professional Experience Project
Austin Fanzine Project
Field Supervisor: Jennifer Hecker

Fanzines pre-date Internet blogging as a method for self-publication. During the 1990s, members of Austin, Texas's alternative music scene documented their subculture by producing and distributing fanzines. These publications were often made with low quality materials, and they were distributed at varying levels. As a professional archivist and former co-publisher of the Geek Weekly fanzine, Jennifer Hecker recognized the need to preserve these fragile documents as invaluable cultural records. Inspired by the phrase "less plan, more scan," Hecker started a digitization and transcription initiative in the summer of 2012 called the Austin Fanzine Project (AFP). This crowdsourcing project is separated into phases, and it is currently in Phase II. This semester I developed policy recommendations that AFP can refer to while building its crowdsourcing infrastructure. These recommendations take into account the ethical and logistical issues surrounding the collection and exhibition of self-published material. I used the Consultative Committee for Space Data Systems' Producer-Archive Interface model as a gold standard, and I adapted it to the needs and resources of AFP. My main deliverable was a formal policy recommendation that included digital preservation requirements, metadata schema, and sample workflows.

Lindsay Purves
Technical Collection Management: Combining Two Collections
ExxonMobil Upstream Research Company
Field Supervisor: Alice K. Phillips

In 1999, when Exxon and Mobil merged, two collections were combined into one physical library at ExxonMobil Upstream Research Center. However, the collections were never completely merged. The heritage Mobil (hMobil) collection was classified in the Dewey Decimal (DD) system while the Exxon collection was in the Library of Congress (LC) classification system. The LC collection has been absorbing the DDs since the merger. The main focus of this project was to consider materials in the hMobil collection, specifically the approximately 2,000 items in the DD 600s (Technology), for deselection. Additional consideration was given to replacing duplicates or reclassifying materials. Items were identified for deselection (55%), a donation outlet was chosen (Louisiana State University), and items were prepared for deselection by deleting records from the catalog. Items not chosen for deselection (31%) were reclassified into the LC collection. The remaining items (14%) were de-duplicated between the collections.

Rebecca Rasnic
Poetry Programming at Austin Public Library
Austin Public Library
Field Supervisor: Heath Rezabek

For my capstone project, I designed and implemented a series of National Poetry Month programming across three branches of the Austin Public Library system. These programs combined technology and creativity to engage at-risk youth ages 10-17. I also designed a series of interactive displays (“Poem in Your Pocket Day” and “Six Word Memoirs”), which drew attention to the library’s poetry collection. At the conclusion of my capstone, I compiled resources and materials related to poetry programming, storing them on the Austin Public Library server for future use by Librarians and Interns. Finally, I worked 12-15 hours each week in the Teen Center at various Austin Public Library branches, providing programming, reference, and reader’s advisory services to children and their parents. My experience working at the Austin Public Library has equipped me with skills that can be applied across a wide range of library settings.

Rebecca Reel
From Screencasting to Paper Handouts: Reference and Instruction at Cedar Park Public Library
Cedar Park Public Library
Field Supervisor: Julia Mitschke

In the course of my professional experience project at Cedar Park Public Library, I used a variety of information transmission technologies, from screencasting to paper handouts as tools to help meet the information needs of library patrons. Research, teaching, and reference interviews were my primary methods of solving information problems. I provided over the phone and in person reference services at the Information Desk, created curricula for and taught three computer skills classes, and created a suite of instructional videos using the screencasting software, Jing. I worked with library patrons to address their information needs, expand their technology skills, and to improve my library instruction skills. I expanded my pedagogical skills, my knowledge of reference sources, and my public speaking skills as I engaged with library patrons to serve their information needs.

Elisa Salinas
Developing a Retention Schedule for Digital Assets at The University of Texas at Austin
The University of Texas at Austin
Field Supervisor: Rachel Appel

The University of Texas at Austin has recently taken progressive measures toward improving the management of the approximately 2.5 million digital assets housed on

university servers through the appointment of a University Digital Asset Manager, purchase of the digital asset management system Portfolio, and pending revisions to the University Records Retention Schedule (UTRRS) to incorporate digital assets more explicitly into the overall university records management policies. My project consisted of an in-depth assessment of the digital asset management practices of three of UT Austin's colleges, schools, and units (CSUs) to assist in the development of an appropriate retention schedule and disposition plan for UT Austin's digital assets. I interviewed representatives from each CSU about their digital asset management activities, as well as key information professionals within the university including the University Digital Asset Manager, the University Records Manager, and the University Digital Archivist. Additionally, I also conducted a detailed disk drive analysis of the digital assets on each CSU server. This information was synthesized into a report that assessed how the proposed revisions to the UTRRS would impact university digital assets and offered suggestions for changes to the retention and disposition of digital assets at UT Austin.

Rebecca Seipp
Going Digital: Creating the Smith Library Center Wiki
Southwestern University
Field Supervisor: Theresa Zelasko

Southwestern University in Georgetown, TX is currently undergoing structural changes at both the University and Library levels. Because of these changes, and the general need for an internal repository of departmental information, I have created a wiki for the library staff. Wikis are collaborative websites that allow a set group of users to deposit and change information. The Smith Library Center's (SLC) Wiki was created in Google Sites and is compatible with Southwestern's transition to other Google products. Rather than using a template, I designed the layout of the Wiki with the SLC's needs in mind. I interviewed the librarians and staff members of each department to discuss their expectations and needs for the Wiki, and to collect information to include. With a small staff, time is a valuable commodity and I did not want the Wiki to become easily outdated because it duplicates information found elsewhere. Therefore, it works in tandem with the SLC's website. I included information that expands upon what the website has to offer and included links to outside sites when appropriate. I then held training sessions for librarians and staff members to present the Wiki and teach them how to add users, update, and maintain the site.

Ryan Sibbet
**Preserving the Moving Image Collection at Texas State Library and Archives
Commission**
Texas State Library and Archives Commission
Field Supervisor: John Anderson

The Texas State Library and Archives Commission (TSLAC) houses over forty accessions that contain moving image materials. The collection of moving images alone includes over two thousand film and video items. The majority of the collection

consists of cellulose acetate film, which is prone to decay and ultimately doomed to loss. Degrading film can be preserved by transference to new film stock or by digitization. Until TSLAC has the resources to perform that level of preservation, it needs to ensure that its collection is housed and stored under optimal conditions so that degradation of the material is slowed as much as possible. Currently the entire film collection is housed in its original canisters and often on projection reels, subjecting it to accelerated degradation. My project consists of creating a database of TSLAC's moving image collection, including an assessment of the preservation needs of each item. I will produce an accurate inventory of each item in order for TSLAC to purchase archival film canisters that meet current standards, and to rehouse them. I will also prioritize the collections needs at the item level, and allow TSLAC to take the necessary measures to prolong the life of its entire moving image collection.

Victoria Solomon

Competitive Analysis of Responsive University Websites

Digital Content Group of University Communications, University of Texas at Austin

Field Supervisor: Mike Horn

As more users access websites through mobile phones and tablets, organizations must optimize their online content for smaller, touch-based devices. Designers and developers have addressed this problem with responsive design. Responsive design ensures that a user can easily access a site's content regardless of the user's chosen device. This project examined the responsive websites of several top-tier American universities in order to collect a series of recommendations for a redesign of the website of the University of Texas at Austin. I worked with my field supervisor to identify the top priorities of the University of Texas's digital communications team, and then compared strategies used by other universities that addressed these challenges. My final analysis includes best practices for the website's user interface and content presented on the website, as well as recommendations for social media strategy. This project's final recommendations will inform the design and development of a new responsive homepage for the University of Texas at Austin.

Colter Starr

Considerations for Open Source Intelligence through the Lens of Information and Communication Technology

Lynn Westbrook, Lance Hayden

Open source intelligence (OSINT) has always been strongly tied to the information and communication technology (ICT) of the day. This paper is an examination of the current state of OSINT as it relates to ICTs by looking at overarching problems that exist across multiple types of collection methods, as well as looking at specific cases where there are issues such as China and the Middle East, and ending with some minor recommendations on how to fix or minimize the issues highlighted.

Brian Thomas
Archivists' Toolkit at the Texas State Library and Archives Commission
Texas State Library and Archives Commission
Field Supervisor: Laura Saegert

This project aimed to help the Texas State Library and Archives Commission in its efforts to implement Archivists' Toolkit, an archive information management computer program, by creating a user manual for the Archives' staff. In the process of creating the user manual I tested the Archivists' Toolkit functionality extensively, researched the Archives' information management practices "on the ground," developed workflows, created work-arounds for program shortcomings, determined and resolved xml coding errors and more. The result is a 300+ page master user manual for the Assistant Director for archives, with 4 derivative manuals planned by the Assistant Director. The manual provides screenshots, tables of contents, bookmarks and detailed instructions on all aspects of how they will need to use the program in order to maximize usability. With this, the Archives should be able to maintain better intellectual control of their holdings; manage digital objects; track holding locations; maintain detailed authority records/donor contact details; create reports summarizing a wide variety of information; and output user-friendly references. References can be presented as EAD xml-encoded finding aids, PDF and webpage findings aids, and more.

Sarah Traugott
Creating Read-Alike Websites for Middle and High School Students
Ann Richards School for Young Women Leaders
Field Supervisor: Shawn Mauser,

My project at the Ann Richards School for Young Women Leaders was to create a series of three Read-Alike Websites for the students to share their reading reflections and feedback. In all, I created four new websites using Blogger—the free web blog publisher from Google. I created one website for non-fiction read-alikes (<http://arslitminofp.blogspot.com/>), one for fiction (<http://arslitminra.blogspot.com/>), one for classics (<http://arlibminr.blogspot.com/>) and one general website (<http://starshelves.blogspot.com/>) for sharing news and other book related information. The intention behind making several different websites was to ease the capture of information and tagging. Students are encouraged to submit their short essays on books that they've read and enjoyed to encourage others to read. I also incorporated several outside resources in the right navigation bars for students to find literary inspiration and other reading blogs to encourage and motivate their book selections. It is a great forum for the dedicated readers in the school as well as an opportunity for reluctant readers to explore more broadly without the commitment of reading the whole book.

Virginia Trueheart
BaronessElsa
UT School of Information
Faculty Supervisor: Tanya Clement

BaronessElsa.org is an Omeka based website which exhibits the letters and autobiography of Baroness Elsa von Freytag Loringhoven. The Baroness was a fixture in Dada society in the 1920s and her presence influenced a number of prominent authors and artists including William Carlos Williams, Djuna Barnes, and Peggy Guggenheim. This project was developed using Omeka and was designed as a test for the new Omeka 2.0 software developed by the Center for History and New Media. Omeka 2.0 was installed on a live server and plugins that had been updated to accommodate the new version of Omeka were also uploaded. From here, the software was manipulated to accommodate the structure dictated by the Baroness' letters and Autobiographical Manifesto. The use of TEI was key to the end functionality and aesthetic of the website. Overall, this project has shown that there are a number of benefits to the new version of Omeka and has resulted in a well-developed exhibition of the Baroness' work.

Amara Uhiara
Comprehensive Online Indexing for International Folk Music
The Society of Folk Dance Historians
Field Supervisor: Dr. Ron Houston

This project provides a template for an online catalog of the Society of Folk Dance Historians' record archive. The institution's current catalog follows a text-based format: it documents song title, record number, and record label, while the physical material is shelved in record cases. I focused the online catalog on providing richer information while also increasing the accessibility of the institution's records. Each record entry contains audio samples of folk music appropriate for 22 folk dances, scans of the selected records, and detailed descriptions to familiarize visitors with the material. The institution also gains a more complete and documented status of each item without repeatedly searching through the physical archives. I chose a Wordpress format due to its user-friendly and standardized logging structure, which encourages sustained use by the institution. The site provides five ways of accessing listed records: by song title, record label, dance type, search bar, and a tag cloud of key terms. By featuring labels and dance terms, I augmented the Society of Folk Dance Historians online glossary, which contains information integral to folk dance, yet cannot link that information to what the institution preserves and their relevance. My catalog model also limits the piracy and physical exposure risks that can easily overwhelm smaller institutions.

Sandra Velazquez
Cultivating Engagement at the School Library
School Library Practicum
Martin Middle School
Field Supervisor: Carmen Williams

Martin Middle School is located in East Austin. It currently has a small enrollment size due to changes in the neighborhood and surrounding community. The current school librarian, Carmen Williams, has been successful in making the school library a central location for students and staff. Nevertheless, Ms. Williams aspired to increase book circulation and participation from students. To achieve this goal, I came up with methods to increase awareness of materials and services that their school library offers. In an effort to provide visibility to new materials, a New Books area was created for students to browse through. Also a thematic book display was developed to market books already in the library collection. Reader's Advisory services were provided in the form of annotated book lists. Another more direct method was to present to students in the school library. A thirty-minute presentation was created to educate students on the numerous databases and other research tools available through the Austin ISD Library Catalog.

Laura Vincent
Developing a Digital Content Management Plan for the Texas State Archives
Texas State Library and Archives Commission
Field Supervisor: Laura Saegert

The purpose of my capstone project was to create a digital content management plan for preservation copies of scans created by the Texas State Library and Archives Commission. The Archives and Information Services Division of TSLAC currently has thousands of scans of selected oversized materials, photographs, and printed materials from its collections. These digital images are stored in various locations, including the organization's internal servers, website, its Flickr Commons page, CDs, DVDs, and several external terabyte hard drives. My task was to develop a plan to manage current digital content and materials from future scanning projects. To accomplish this, I determined the locations and file formats of the digital images, including backup and duplicate copies. I also reviewed the types of metadata being used and created a qualified Dublin Core metadata schema to standardize metadata creation. In addition, I developed a migration plan for the digital images to ensure that they remain accessible in the future.

Elliot Williams
Audio Digitization Planning at a Small Archive
Austin Seminary Archives, Austin Presbyterian Theological Seminary
Field Supervisor: Kristy Sorensen

This poster will present the results of a project to plan for digitizing the audio holdings of the Austin Seminary Archives. As the institutional repository for the Austin Presbyterian Theological Seminary, the archives holds a large collection of audio material in a variety of formats, including material on reel-to-reel and audiocassette tape which is currently unavailable for use. This project explored the possibility of digitizing that material to make it accessible to a wide audience of users. The study addressed issues of selection, copyright, technical requirements, and best practices for the digitization of spoken word materials, as well as venues for outreach and dissemination of the digitized material. As a case study of a digitization planning project in a small repository, this project illuminates issues faced by archives that are attempting to begin an audio-visual digitization program.

Jarred Wilson
*Developing Tools for Stacks Management at the Alexander Architectural
Archive*
Alexander Architectural Archive, Architecture and Planning Library, UT Libraries
Field Supervisors: Donna Coates and Beth Dodd

This project analyzed the physical size and formats of the Alexander Architectural Archive's collections and created an electronic tool to aid the Archive staff in ongoing evaluation of collection size and available shelf space. Furthermore, recommendations were made about how to most efficiently store collections of varying sizes and formats, and for space considerations that plan for future growth and acquisitions. Because of the expected acquisition of several large collections in the summer and fall of 2013 and the necessary transfer of items to offsite storage and shifting of items in the stacks, this project and its timely completion were of utmost importance to the Archive. The Alexander Architectural Archive was established in 1979 and is part of the Architecture and Planning Library at The University of Texas at Austin. The Archive resides in Battle Hall, built as the University's library in 1911. The building has three levels of public and office space and seven levels of stack space. This space is shared among the Archive, Library, School of Architecture, with some stack space also being occupied by materials from other University units. The Archive currently houses over 250,000 drawings and 900 linear feet of papers, photographic material, models and ephemera, audiovisual material, lantern slides, and photographic slides.

Elizabeth Wong
Book Match: Building Book Selection Connections
Murchison Middle School
Field Supervisor: Christy Cochran

A valuable service offered by librarians is the book recommendation. Patrons who do not come in seeking a specific title can turn to a librarian to see if there is a book that meets their needs, be it a particular genre, mood, or topic. Librarians in schools have the additional benefit of knowing both their collection and their students, and may be able to gauge whether an available book will match the student's taste or interest. However, when the librarian is busy or the student is at home, the need for guidance and recommendations still exists. Book Match is a resource designed for Murchison Middle School that concurrently provides recommendations and scaffolds independent search habits. In order for the lone librarian to meet the needs of a 1,500+ student body, a series of topical book guides was designed with subject heading recommendations to help students find books on topics of interest. These guides are to be provided for students in physical and online formats, allowing access at school and at home. Additionally, all books recommended are available in the school library. In the event that a librarian is not present to provide guidance, Book Match provides a helpful alternative.

Nicholas Woodward
*Crowdsourcing + Machine Learning: Building an Application to Convert
Scanned Documents to Text*
Masters Report
Unmil Karadkar, Matt Lease

Widespread digitization initiatives and the concomitant explosion in digital corpora have redefined the roles of academic libraries in recent years. Many current efforts in the academic community focus on making digital content accessible and legible to mass audiences for a variety of purposes, and the transcription of scanned documents is one integral component. Difficulties inherent to the process of optical character recognition (OCR) mean that most digital artifacts containing text are converted to scanned images that lack full-text search capabilities. In many cases researchers must resort to either manually entered metadata (generally unfeasible with large-scale data) or crowdsourced input from users (only applicable on a per-item basis). The primary goal of this project is to design an application and workflow for the large-scale transcription of scanned artifacts by combining limited user input with machine learning on a high performance computing cluster to recognize patterns of matching words across artifacts and mechanically transcribe them. I developed a collection of tightly integrated Java libraries built on top of OpenCV that 1) mechanically segment scanned images into individual words, 2) use a pattern recognition algorithm to match similar images (i.e. words) across the entire corpus, and 3) transcribe these words using crowdsourcing output from participants. In an effort to build upon existing software in the academic environment, my application will function alongside the popular open source repository software Fedora as a service for scanned images.

Melissa Wopschall
Facilitating Records Transfer Between Donors and the Archive
Human Rights Documentation Initiative
Field Supervisors: T-Kay Sangwand and Christian Kelleher

Using current archival tools and metadata standards, I developed a system to facilitate the transfer of records from Smother Bruni Productions, LLC to a digital repository. Smothers Bruni Productions (SB) is a documentary film production company best known for the 2009 Official Sundance Selection, *Quest for Honor*. In 2011, SB Productions donated fifteen one terabyte hard drives to the Human Rights Documentation Initiative at the Benson Latin American Collection. These hard drives hold digital video footage, still images and text files created over the course of several trips to Kurdistan Iraq. My goal in working with these records was three-fold. I developed guidelines for SB Productions to use when creating, collecting, and maintaining metadata for its digital records. Using the BagIt tool created by the Library of Congress, I packaged video files, transcripts, and metadata and to prepare the records for transfer to the archive. For the final segment of this project, I created an EAD finding aid to facilitate access to the processed portion of these records. Each part of the project was meant to facilitate the transfer of records from SB Productions to the archive while enabling SB Productions to more easily manage the massive amounts of files created when making a film.