

## **Jody DeRidder**

Assistant Professor (tenured, 2014).

Head of Metadata & Digital Services

University of Alabama Libraries

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### **EDUCATION**

M.S. in Information Science, University of Tennessee, Knoxville. 2008.

M.S. in Computer Science, University of Tennessee, Knoxville. 2002.

Graduate studies in Community Agency Counseling, University of Tennessee, Knoxville. 1981-1982.

B.A. in Human Services, University of Tennessee, Knoxville. 1980.

### **EMPLOYMENT**

Head of Metadata & Digital Services at the University of Alabama Libraries. July 2015 to present.

- Took over management and support of open-source delivery system and repaired the broken indexer.
- Developed software for migration of electronic theses and dissertations to DSpace.
- Developed workflows for outsourcing digitization and working with vendors. Merged Metadata Unit and Archival staff with Digital Services, effectively doubling staff levels
- Merged and transformed XML and spreadsheet name authority files into database; developed software to upload, export, and modify content
- Working collaboratively with archivists, digital services staff and metadata librarians, transformed workflow to streamline metadata creation and reduce duplication of effort
- Developed software to generate finalized MODS from spreadsheets, using controlled vocabulary from MADS database tables and tagged subjects
- In collaboration with archivists, embedded metadata librarian expertise into the archival metadata creation workflow while assisting in low-level processing of archival materials
- Expanded digital preservation content management to include auto-generated technical metadata for images and audio, and to track and package content for the Digital Preservation Network
- Developed specifications and workflows for outsourcing digitization, including film/video
- Surveyed field for best tools/workflows for incoming digital content management
- Developed software for batch uploads to DSpace for institutional repository

Head of Digital Services at the University of Alabama Libraries. July 2008 to July 2015.

- Expanded Digital Services into a thriving team of highly motivated creative individuals who not only create several TB of archival digital content annually, they each contribute to innovative development for support and delivery methods.

- Developed content organization methodology and cross-departmental collaborations and workflows which enable scalable, efficient, and functionally sane digitization, access, and storage.
- Assisted in the development of a new open-source architecture (Acumen) which dynamically delivers user-friendly (and Google-accessible) access to content deposited into web directories anywhere.
- Designed, developed and continually improve the technical infrastructure to support our cross-departmental workflows, web delivery, preservation and management of content.
- Developed methods for mass-digitizing content at a low cost, providing access via finding aids; wrote a grant proposal and obtained funding from NHPRC to test this project, and successfully managed the effort to completion, adding open-source software to enable other institutions to copy the model, and performing usability tests.
- Developed support for faceted search and retrieval.

Information Technology Administrator II at the University of Tennessee Libraries Digital Library Center. December 2002 – June 2008.

- Developed an integrated and diverse digital library consisting of various special collections, primarily expanding on the use of DLXS and XPAT searching software.

Computer Programmer, SUNSITE, University of Tennessee. 2000 to 2002.

- Researched, designed and tested implementation and deployment methods for a secure distributed Java web application between a Sun server with Apache/Tomcat configuration and Macintosh clients in the UTK Music Department labs, using JSP, Servlets, SSL, MySQL database, and signed applets creating an AWT GUI, and accessing/writing backend files.
- Designed, developed, upgraded and maintained a MySQL database-supported Digital Library repository (Perl/CGI) for UTK Library Special Collections, per the requirements and specifications of the [Open Archives Initiative](#). Developed database loaders, Perl translators for various forms of SGML to XML Unqualified Dublin Core, file search and correction scripts, command-line file entry and file correction programs, and a relational database search engine. Modified to have a more flexible database structure, which allows a record to be entered once and retrieved in a variety of formats. Expanded it to support METS and XML translations in XSLT.

#### **RELEVANT SKILLS**

19 years of management and supervisory experience in a variety of venues

12 years of experience in digital library infrastructure design, development and support

Metadata crosswalking and transformation

Software design and development; database development and access; SOLR indexing

Programming languages: Perl, C, C++, Java, PHP, JavaScript, Python, XSLT

*References and full CV available upon request*