

James Tuttle

2 Broughton Drive, Campus Box 7111
Raleigh, NC 27695-7111

EDUCATION

Master of Science in Library and Information Science Urbana, IL
University of Illinois at Urbana-Champaign Dec 2004

Bachelor of Arts in Anthropology Urbana, IL
University of Illinois at Urbana-Champaign May 2002

EXPERIENCE

North Carolina State University Libraries Raleigh, NC
Digital Repository Librarian Jul 2008– Present

- Explore, adapt, and implement emerging digital repository technologies in support of the library's digital collections and publishing initiatives
- Manage repository development projects and supervise development team
- Work with library staff to develop and implement metadata and preservation standards
- Supervise Digital Repository Fellow engaged in repository architecture research project
- Coordinate NCSU National Digital Information Infrastructure Preservation Program project

North Carolina State University Libraries Raleigh, NC
Geospatial Data Librarian Jan 2005 – Jul 2008

- Coordinated North Carolina Geospatial Data Archiving Project in collaboration with Library of Congress under National Digital Information Infrastructure Preservation Program
- Automated curatorial and archival data processing
- Developed workflows and tools to support archive ingest processes
- Defined archive metadata profiles and transformation processes
- Created and presented project documentation and progress
- Supervised project staff

Abbott Laboratories Abbot Park, IL
Information Architecture Intern Jun 2004–Aug 2004

- Created taxonomic ontology to consolidate and organize multiple electronic document repositories containing circa 2,600 items
- Functioned as liaison between e-Business team and IT department
- Responsible for project documentation, usability studies, and client training
- Participated in study and design of IBM WebSphere intranet portal software and experience

Prairienet Community Networking Initiative Champaign, IL
Graduate Assistant, System and Network Administration May 2002–Dec 2004

- Administered network and systems of 25 Windows and Linux machines in mixed wireless/wired network

- Provided software and hardware support for office staff and 1,000+ members of Prairienet customer base
- Built and supported computers and networked public access computer labs

Graduate School of Library and Information Science

Champaign, IL

Graduate Assistant, LIS 454: Network System Administration

Aug 2003–Dec 2004

- Prepared computer hardware and software laboratories to illustrate system and network principles
- Supervised student software and hardware projects
- Lectured on administration of Unix and Windows operating systems and networking

Graduate School of Library and Information Science

Champaign, IL

Graduate Assistant, Instructional Technology Office

Aug 2003–Jun 2004

- Provided technology support for students, staff, and faculty of graduate college
- Facilitated distance education classes
- Developed and instructed workshops on various technologies
- Executed research project to model help desk documentation and defined requirements for repository and retrieval system

TECHNICAL SKILLS

- Programming: Python, Django, Perl, PHP, Bourne Again Shell, SQL, Java, Subversion
- Metadata: XSL, XSLT, EAD, TEI, XPath, DTD, FGDC, Dublin Core, METS
- Software: Apache, MySQL, Postgres, DSpace, Greenstone, SWISH-E, Nutch, Lucene, Solr

AWARDS AND HONORS

- Digital Library Federation Forum Fellowship for Librarians New to the Profession April 2007
- North Carolina State University Libraries Fellow Jan 2005–Jan 2007
- Hahn Scholarship for Outstanding Undergraduate Work in Humanities 2002-2003

PAPERS

- Morris, S., & Tuttle, J. (2007). Curation and preservation of complex data: North Carolina Geospatial Data Archiving Project.
- Morris, S., Tuttle, J., & Farrell, R. (2006). Preservation of state and local government digital geospatial data: The North Carolina Geospatial Data Archiving Project. In *Archiving 2006: Final program and proceedings*. (pp. 45-48). Springfield, VA: Society for Imaging Science and Technology.

PRESENTATIONS (Selected)

- Jackson Sanborn, J., Tuttle, J. (2007). "Digital Repository Projects at the North Carolina State University Libraries", *Open Repositories 2007*. San Antonio, TX. Jan. 23, 2007.
- Tuttle, J. (2007). "Tools Development and Demonstration: North Carolina Geospatial Data Archiving Project", *NDIIPP Digital Preservation Partnership Meeting*. San Diego, CA. Jan. 18, 2007.

- Tuttle, J. (2006). “NDIIPP Preservation Network: Progress, Problems, and Promise”, *Joint Conference on Digital Libraries 2006*. Chapel Hill, NC. Jun. 13, 2006.
- Tuttle, J. (2006). “Workflow: Tools and Resources”, *Digital Preservation in State Government: Best Practices Exchange 2006*. Wilmington, NC. Mar. 27, 2006.
- Tuttle, J., et al. (2005). “Preserving Digital Resources: Complexities and Emerging Solutions”, *Digital Library Federation Fall Forum 2005*. Charlottesville, VA. Nov. 7, 2005.

COMMITTEE EXPERIENCE (Selected)

- NCSU Libraries Digital Collections Technology Working Group – 2008
- NCSU Libraries Digitization and Preservation Working Group – 2008
- NCSU Libraries Digital Collections Technical Oversight Committee – 2008
- NCSU Libraries Digital Repository Management Committee – 2008
- Co-Chair of Program Committee, Carolinas Chapter of American Society for Information Science & Technology – 2008
- Vice-Chair, Carolinas Chapter of American Society for Information Science & Technology – 2008-2009
- NCSU Libraries Information Technology Advisory Committee, Staff to Committee – 2006, 2008
- Search Committee for NCSU Libraries Visual Resources Librarian – 2006