

# 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
- Software: Apache, MySQL, PostgreSQL, DSpace, Greenstone, SWISH-E, Nutch, Lucene

### **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., Farrell, R. "Preservation of State and Local Government Digital Geospatial Data: The North Carolina Geospatial Data Archiving Project". *Archiving 2006 Conference Proceedings*. Society for Imaging Science and Technology. 2006.

### **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 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
- NCSU Libraries Information Technology Advisory Committee, Staff to Committee - 2006, 2008
- Search Committee for NCSU Libraries Visual Resources Librarian - 2006