

# Adam B. Mikeal

## CONTACT

Digital Initiatives, Research & Technology  
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## PROFESSIONAL INTERESTS

Digital Libraries, Humanistic Computing, Human-Computer Interaction, Digital Humanities

## EDUCATION

Ph.D. Computer Science  
Texas A&M University, 2009 (Expected).

M.S. Computer Science  
Texas A&M University, 2008 (Expected).

B.A. History  
Texas A&M University, 2003. *Cum Laude*.

## EXPERIENCE

### **Lead Applications Developer and Manager**

**2005-2008**

#### **Texas A&M University Libraries, Digital Initiatives, Research & Technology**

Responsible for project management and development in a mixed production/research environment; participated in the formation of the Texas Digital Library (TDL), a state-wide multi-school collaboration, and chaired the TDL working group for electronic theses and dissertations; participated in a wide range of projects that included institutional repository implementation, digital library projects, and the research and development of Manakin, an open-source XML framework for digital repositories. Project manager for Vireo, a state-wide submittal and management system for electronic theses and dissertations. Managed a team of four full-time staff and six students.

### **Systems Analyst, Texas A&M University, Department of Computer Science**

**2001-2003, 2003-2005**

Responsible for departmental programming projects and web technologies. Managed a 6-person team of graduate and undergraduate students, and implemented departmental-wide intranet and extranet initiatives. Oversaw the creation of an open-source web framework for use in intranet development.

### **Programmer Analyst, Texas Transportation Institute**

**2003**

Primary system architect and developer for a web-based application intended to replace the agency's deployment of Oracle's FormsRuntime as a primary business application. Utilized XML and XSLT to achieve complete content-structure-layout separation.

### **Programmer, Texas A&M University, Department of Physics**

**1998-2001**

Responsibilities included business application development for accounting, inventory control, and point-of-sale operations. Additional duties involved general Windows and UNIX system administration, and management of departmental graduate assistants.

## PUBLICATIONS & PRESENTATIONS

### Refereed Journals

1. Alexey Maslov, Adam Mikeal, John Leggett. "Cooperation or Control? Web 2.0 and the Digital Library". Accepted to appear in *The Journal of Digital Information*, Vol. 9 No. 28, Fall 2008.
2. Scott Phillips, Cody Green, Alexey Maslov, Adam Mikeal and John Leggett. "Manakin: A New Face for DSpace". *D-Lib Magazine*, Vol. 13 No. 11, November 2007.
3. Katherine H Weimer, Rusty Kimball, Steen Bereyso, Brian Surratt, Adam Mikeal, and Alexey Maslov. "Access and Preservation of Scientific and Cartographic Literature Using and Institutional Repository". *Documents to the People*, Vol. 34, No. 4. Winter 2006.

### Refereed Conference Proceedings

1. Adam Mikeal, Scott Phillips, Jay Paz, Tim Brace, Jay Koenig, John Leggett and Mark McFarland. "ETD Management in the Texas Digital Library: Lessons Learned from a Demonstrator". *Proceedings of the 11th International Symposium on Electronic Theses and Dissertations (ETD08)*, Aberdeen, Scotland. June 4-7, 2008.
2. Scott Phillips, James Creel, Cody Green, Yixuan Li, Alexey Maslov, Adam Mikeal, Philip Mattingly, Jay Paz, John Leggett, and Mark McFarland. "Manakin: Lessons Learned". *Proceedings of the 3rd International Conference on Open Repositories (OR08)*, Southampton, UK. April 1-4, 2008.
3. Adam Mikeal, Tim Brace, Scott Phillips, John Leggett and Mark McFarland. "Developing a Common Submission System for ETDs in the Texas Digital Library". *Proceedings of the 10th International Symposium on Electronic Theses and Dissertations*, Uppsala, Sweden. June 13-16, 2007.
4. Unmil Karadkar, Neal Audenaert, Adam Mikeal, Scott Phillips, Alexey Maslov, Enrique Mallen, Richard Furuta, and Marlo Nordt. "Relationship Mapping for Art Education and Research". *Proceedings of the ACH/ALLC Joint Conference on Digital Humanities (DH2007)*, Urbana-Champaign, Illinois, USA. June 2-8, 2007.
5. Adam Mikeal, Cody Green, Alexey Maslov, Scott Phillips, Kathy Weimer and John Leggett. "Manakin Case Study: visualizing geospatial metadata and complex items". *Proceedings of the 2nd International Conference on Open Repositories (OR07)*, San Antonio, Texas, USA. January 23-26, 2007.
6. Scott Phillips, Cody Green, Alexey Maslov, Adam Mikeal, and John Leggett. "Introducing Manakin: Overview and Architecture". *Proceedings of the 2nd International Conference on Open Repositories (OR07)*, San Antonio, Texas, USA. January 23-26, 2007.
7. Alexey Maslov, Cody Green, Adam Mikeal, Scott Phillips and John Leggett. "Manakin Themes: customizing the look-and-feel of DSpace". *Proceedings of the 2nd International Conference on Open Repositories (OR07)*, San Antonio, Texas, USA. January 23-26, 2007.
8. Adam Mikeal, Cody Green, Alexey Maslov, Scott Phillips and John Leggett. "Preserving the Scholarly Side of the Web". *Proceedings of the Fourth IEEE Latin American Web Congress (LA-WEB'06)*, Puebla, Mexico, pp. 162-171. October 2006.
9. Scott Phillips, Cody Green, Alexey Maslov, Adam Mikeal and John Leggett. "De-facing DSpace with Manakin". *Proceedings of the 1st International Conference on Open Repositories (OR06)*, Sydney, Australia. January 31 - February 3, 2006.

### Other Publications and Presentations

1. Participant, "ETDs for Rookies": Newcomers Workshop (Session organizer: John Hagen). Pre-conference workshop for the *11th International Symposium for Electronic Theses and Dissertations (ETD08)*, Aberdeen, Scotland. June 4th, 2008.
2. Adam Mikeal, Tim Brace, John Leggett and Mark McFarland. "Developing a Common Submission System for ETDs in TDL". *Proceedings of the 1st Texas Conference on Digital Libraries (TCDL07)*, Austin, Texas, USA. May 29-31, 2007.

3. Alexey Maslov, Scott Phillips, Adam Mikeal, and John Leggett. "DRI Schema Reference". *Technical documentation available online at: <http://di.tamu.edu/projects.xmlui/schemaReference>*. December 2006.
4. Scott Phillips, Cody Green, Alexey Maslov, Adam Mikeal, and John Leggett. "Manakin Developer's Guide". *Technical documentation available online at: <http://di.tamu.edu/projects/xmlui/resources/DevelopersGuide.pdf>*. December 2006.
5. Scott Phillips, Alexey Maslov, John Leggett and Adam Mikeal. "DSpace XML UI Project technical Overview". *Proceedings of the 2005 DSpace Federation User Group Meeting*, Cambridge, UK. July 7-8, 2005.
6. Adam Mikeal. "Web Content Management: Separating content, layout and structure" (Birds-of-a-feather presentation). *PHP-CON West 2003*. Santa Clara, CA, USA. October 21-24, 2003.

### FUNDED RESEARCH PROJECTS

1. Institute for Museum and Library Sciences, National Leadership Grant. "The Texas ETD Repository: Promoting our Scholarship and Preserving our Legacy". \$824,686 (50% cost-sharing with institution). PI, John Leggett; Co-PIs, Adam Mikeal and Jay Koenig (LG-05-07-0095-07). Total awarded 2007 National Leadership Grants: 27 of 154 (17%).

### SERVICE

- Member, Organizing Committee, OR07 (2nd International Conference on Open Repositories), San Antonio, Texas, USA. January 23-26, 2007.
- Chair, Working Group for Electronic Theses and Dissertations (Texas Digital Library), January 2006 to present.

### PROFESSIONAL & HONORS SOCIETY MEMBERSHIP

- Association for Computing Machinery
- Upsilon Pi Epsilon, International Honor Society for the Computing and Information Sciences
- Phi Kappa Phi, National Honors Society
- Phi Alpha Theta, National History Honors Society
- National Society of Collegiate Scholars

### REFERENCES

References are available upon request.

### RESEARCH STATEMENT

The efficacy of a computer system is ultimately determined by the quality of communication that takes place between that system and a human. It is the nature and the mechanisms of this communication that most interest me. As a computer scientist with a humanities background, my perspective on an issue tends to be slightly askew from many of my colleagues; far from being a liability, this shift in perspective is a source of strength and diversity. I believe that just as computing technology has drastically altered our society's day-to-day habits and behavior, our scholarly output—across all fields and disciplines—can and will be similarly affected, and that this change will improve both our scholarship and our culture.