

J. Michael Moore

Curriculum Vitae

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Technical Skills

Accessibility, Universal Design, Human-Centered Computing, Interaction Design, CS Education, Universal Design in Learning, UX/UI, C++, PHP, MySQL, Java, Intelligent User Interfaces, Software Engineering, Requirements Elicitation and Analysis

Education

PhD. in Computer Science (GPA: 4.0) **August 2007**

Texas A&M University

Dissertation: Design Exploration: Engaging a Larger User Population

Advisor: Frank Shipman

M.S. in Computer Science (GPA: 3.9) **August 1997**

Southwest Texas State University (currently Texas State University)

B.S. in Biochemistry (GPA: 3.5) **August 1991**

Texas A&M University

- University Undergraduate Fellow: *Program involving a year of research and compilation of a thesis.*
- University Honors: *Curriculum including honors coursework.*

Teaching Experience

Instructional Assistant Professor **September 2015 – present**

Texas A&M University, College Station, Texas

- Accessible Computing: CSCE 432/689 – Spring 2024, Spring 2023; CSCE 489/689 – Spring 2022; CSCE 489 – Spring 2021, Spring 2020
- Human-Computer Interaction: CSCE 436 – Fall 2023, Fall 2022, Fall 2021, Fall 2020, Fall 2019, Spring 2019, Spring 2018, Fall 2017, Spring 2017, Fall 2016
- Introduction to Program Design and Concepts: CSCE 120/121 – Spring 2024, Fall 2023, Spring 2023, Fall 2022, Summer 2022, Spring 2022, Fall 2021, Summer 2021, Spring 2021, Fall 2020, Summer 2020, Spring 2020, Fall 2019, Summer 2019, Spring, 2019, Fall 2018, Summer 2018, Spring 2018, Fall 2017, Summer 2017, Spring 2017, Fall 2016, Summer 2016, Spring 2016, Fall 2015
- Senior Seminar: CSCE 481 - Fall 2015, Spring 2016

Lecturer **September 2014 – May 2015**

Texas A&M University, College Station, Texas

- Introduction to Program Design and Concepts: CSCE 121 - Spring 2015
- Data Structures and Algorithms: CSCE 221 - Spring 2015
- Distributed Objects Programming: CSCE 438 - Spring 2015
- Intermediate Programming & Design: CSCE 113 - Fall 2014
- Discrete Structures for Computing: CSCE 222 - Fall 2014
- Analysis of Algorithms: CSCE 411, - Fall 2014

Adjunct Faculty**January 2013 – May 2013***University of Texas, Austin, Texas*

- Introduction to Programming using Java: Spring 2013

Lecturer**August 2008 – December 2009, August 1999 – May 2000***Texas A&M University, College Station, Texas*

- Pascal: Fall 1999, Fall 2008, Spring 2009, & Fall 2009
- Java: Spring 2000

Instructor**June 2006 & June 2007***Duke TIP, College Station, Texas*

- Interaction Design for gifted junior high and high school students.

Lecturer**January 1998 – August 1999***Blinn Junior College, Bryan, Texas*

- Pascal: Spring 1998, Fall, 1998, Spring 1999, Summer, 1999

Other Work Experience**Texas Society of Interpreters for the Deaf (TSID)****October 1998 – 2015***Webmaster (Volunteer)*

Volunteer work to develop and maintain the TSID website (<http://tsid.org/>).

- Main website created with custom PHP code with a MySQL backend. This includes a calendar for use by the organization and a simple CMS that allows officers, spread throughout the state, to share files.
- Create custom websites for the annual conferences: 2000-2014 excluding the 2001 conference site, <http://tsid.org/conference/>.
 - 2008-2012, sites implemented with custom PHP code and a MySQL backend.
 - 2013-2015, sites implemented with the Yii framework.

Austin Community College – Austin, Texas**January 2013 – 2014***Sign Language Interpreter (Part time)*

- Interpreted lectures and labs for Interpret for deaf and hard of hearing clients.

Camp Gladiator – Austin, Texas**May 2014 – July 2014***Contractor*

- Code development and debugging using PHP and MySQL.

Texas State, San Marcos – Texas**January 2013 – May 2013***Sign Language Interpreter (Part time)*

- Interpreted lectures and labs for Interpret for deaf and hard of hearing clients.

Bryan/College Station/Houston, Texas**September 2001 – December 2012***Freelance Sign Language Interpreter*

- Interpret for deaf and hard of hearing clients. Done primarily in the post-secondary setting at Texas A&M University, Blinn College, Houston Community College and Cy-Fair College.
- Interpret video relay for CSDVRS.

Texas A&M University, College Station – Texas**July 2007 – July 2008***Postdoctoral Research Associate*

- Worked with the Design Exploration (DE) grant – Java, PHP, and MySQL.
- Wrote and assisted with conference, journal, and grant proposal writing.

Texas A&M University, College Station – Texas**August 2000 – June 2007***Graduate Assistant Research*

- Worked on Visual Knowledge Builder (VKB) and Design Exploration (DE) development – Java.
- Wrote and assisted with conference, journal, and grant proposal writing.

Texas A&M University, College Station – Texas**August 1996 – August 2000***Sign Language Interpreter (Staff)*

- Interpreted lectures and labs for Interpret for deaf and hard of hearing clients.
- Developed policy and publications related to interpreting and disability services.

Southwest Texas State University – San Marcos, Texas**January 1996 – August 1996***Graduate Assistant*

- Developed and modified a user interface for a project engineering package.
- Set up and maintained a group of Pentium 166 machines running Windows NT 3.51 for a Software Engineering practicum course.

Awards

Mentoring Award (2004) selected by faculty members in the Computer Science department and presented by the Aggie Women in Computer Science at Texas A&M University

Student scholarship recipient to attend the Richard Tapia Celebration of Diversity in Computing Conference 2003 presented by the Texas A&M University Department of Computer Science

Guseman Award (2002) presented for outstanding contributions to the Graduate Student Council at Texas A&M University

2nd Place (2006) Student Research Week Poster Competition

Presentations

- Inclusive & Accessible Materials, Illinois Computer Science Summer Teaching Workshop, University of Illinois Urbana-Champaign, online, August 10 – 11, 2021.

Dissertation

1. **J.M. Moore**, “Design Exploration: Engaging a Larger User Population”, PhD. Thesis, Department of Computer Science, Texas A&M University, 2007.

Publications

1. S. Bae, D. Kim, K. Meintanis, **J.M. Moore**, A. Zacchi, F. Shipman, H. Hsieh, and C. Marshall, “Supporting Document Triage via Annotation-Based Multi-Application Visualizations”, *Proceedings of ACM and IEEE Joint Conference on Digital Libraries (JCDL)*, 2010.
2. **J.M. Moore** and F. Shipman, “Combining the Analysis of Spatial Layout and Text to Support Design Exploration”, *Proceedings ASE 2008, The 23rd IEEE/ACM International Conference on Automated Software Engineering*, Sept. 2008. (24%)
3. S. Bae, H. Hsieh, D. Kim, C. Marshall, K. Meintanis, **J.M. Moore**, A. Zacchi, and F. Shipman, “Supporting Document Triage via Annotation-based Visualizations”, *Proceedings of the Annual Meeting of the American Society of Information Science & Technology (ASIS&T)*, Oct. 2008.
4. S. Bae, C. Marshall, K. Meintanis, A. Zacchi, H. Hsieh, **J.M. Moore**, and F. Shipman, “Patterns of Reading and Organizing Information in Document Triage”, *Proceedings of the Annual Meeting of the American Society of Information Science & Technology (ASIS&T)*, 2006.

5. R. Badi, S. Bae, **J.M. Moore**, K. Meintanis, A. Zacchi, H. Hsieh, F. Shipman, C. Marshall, "Recognizing User Interest and Document Value from Reading and Organizing Activities in Document Triage", *Proceedings of the International Conference on Intelligent User Interfaces 2006*, pp. 218-225. (24%)
6. S. Bae, R. Badi, K. Meintanis, **J.M. Moore**, A. Zacchi, H. Hsieh, C. Marshall, F. Shipman, "Effects of Display Configurations on Document Triage", *Human-Computer Interaction: INTERACT 2005*, pp. 130-143. (26%)
7. F. Shipman, H. Hsieh, **J.M. Moore**, and A. Zacchi, "Supporting Personal Collections across Digital Libraries in Spatial Hypertext", *Proceedings of the ACM and IEEE Joint Conference on Digital Libraries, 2004*, pp. 358-367. (30%) (**Nominated for Best Paper Award**)
8. **J.M. Moore**, Communicating Requirements Using End-User GUI Constructions with Argumentation. *Proceedings ASE 2003, The Eighteenth IEEE International Conference on Automated Software Engineering*, pp. 360-363.
9. F. Shipman, **J.M. Moore**, P. Maloor, H. Hsieh, and R. Akkapeddi, "Semantics Happen: Knowledge Building in Spatial Hypertext", *Proceedings of the ACM Conference on Hypertext, 2002*, pp. 25-34. (31%) (**Nominated for Best Paper Award**)
10. **J.M. Moore** and F. Shipman, "Requirements Elicitation using Visual and Textual Information", *Proceedings Fifth IEEE International Symposium on Requirements Engineering, 2001*, pp. 308-309.
11. F. Shipman, H. Hsieh, R. Airhart, P. Maloor, **J.M. Moore**, and D. Shah, "Emergent Structure in Analytic Workspaces: Design and Use of the Visual Knowledge Builder", *Human-Computer Interaction: INTERACT 2001*, pp. 132-139. (33%)
12. F. Shipman, H. Hsieh, R. Airhart, P. Maloor, and **J.M. Moore**, "The Visual Knowledge Builder: A Second Generation Spatial Hypertext", *Proceedings of the ACM Conference on Hypertext, 2001*, pp. 113-122. (27%)
13. F. Shipman, R. Airhart, H. Hsieh, P. Maloor, **J.M. Moore**, and D. Shah, "Visual and Spatial Communication and Task Organization in the Visual Knowledge Builder", *Proceedings of the ACM 2001 GROUP Conference, 2001*, pp. 260-269. (30%)
14. **J.M. Moore** and F. Shipman, "A Comparison of Questionnaire-Based and GUI-Based Requirements Gathering", *Proceedings of the IEEE Conference on Automated Software Engineering, 2000*, pp. 35-44. (~20%) (**Nominated for Best Paper Award**)
15. Natarajarathinam, M., & Johnson, M., & White, L., & Amani, S., & Ray, S., & Powell, L., & Hammond, T., & Thomas, S., & Lightfoot, R., & Pedersen, R., & **Moore, J.** (2022, August), Lessons learned: faculty watch parties are a powerful approach to foster diversity and inclusivity discussions Paper presented at 2022 ASEE Annual Conference & Exposition, Minneapolis, MN. <https://peer.asee.org/41596>

Book Chapters

1. S. Bae, R. Badi, K. Meintanis, **J.M. Moore**, A. Zacchi, H. Hsieh, C. Marshall, F. Shipman, "Effects of Display Configurations on Document Triage", *Lecture Notes in Computer Science, Volume 3585, Sep 2005*, Pages 130 - 143
2. F. Shipman, H. Hsieh, **J.M. Moore**, "Towards a World-Wide Spatial Hypertext", in N. Arganaraz, editor, *Humanistic Informatics*, in press.

Professional Service

Faculty Advisor: Aggie Web Developers

2020 – present

Faculty Advisor: DeAF (Deaf Aggies & Friends)

2018 – present

Faculty Advisor: OSTEM (Out in Science, Technology, Engineering and Mathematics)	2017 – present
Faculty Advisor: Theta Tau (Engineering Service Fraternity)	2015 – 2021
Organizing Committee: Diversity Hackathon	2017 – 2021
Secretary: GLBT-PN (Professional Network at Texas A&M)	2017 – 2018
Vice President: GLBT-PN (Professional Network at Texas A&M)	2016 – 2017
Program Committee Member: Hypertext 2008	2008
Judge: Student Research Week, Texas A&M University	2008
President: Brazos Valley Interpreters for the Deaf	2006 – 2007
Parliamentarian: Brazos Valley Interpreters for the Deaf	2003 – 2006
Temporary Member: Aggie Honor Council	2005
President: Computer Science Graduate Student Association, Texas A&M University	2003 – 2004
Student Member: Institutional Review Board (non-voting), Texas A&M University	2003 – 2004
Student Member: Graduate Appeals Panel, Texas A&M University	2002 – 2004
Financial Officer: Rainbow Graduate Student Association, Texas A&M University	2002 – 2004
Doctoral Symposium/Student Volunteer: IEEE ASE 2003, Montreal, Quebec, Canada	2003
Student Volunteer: ACM-IEEE JCDL 2003, Houston, TX	2003
Computer Science Representative: Graduate Student Council, Texas A&M University	2002 – 2003
Student Member: Ad Hoc Committee on Diversity and Globalization	2002
Vice President: Graduate Student Council, Texas A&M University	2001 – 2002
Co-Chair: Student Research Week, Texas A&M University	2001 – 2002
Graduate Student Member: Graduate Committee, Texas A&M University	2001 – 2002
Student Volunteer: ACM Hypertext 2000 conference, San Antonio, TX	2000
Student Volunteer: ACM Digital Libraries 2000 conference, San Antonio, TX	2000
Computer Science Representative: Graduate Student Council, Texas A&M University	1999 – 2000
Secretary: Texas Society of Interpreters for the Deaf	1999 – 2001
Webmaster: Texas Society of Interpreters for the Deaf	1998 – 2015

Affiliations

ACM Member