

Matthew N. Bonner

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Research Interests: Collaborative Computing, Healthcare, Participatory Design, User Studies, Fieldwork, Nontraditional Users

Education

Georgia Institute of Technology

PhD student, Human-Centered Computing
Advisor: Elizabeth Mynatt

Aug 2008 - present

GPA: 4.0/4.0

University of Michigan

B.S. Computer Science

2004- 2008

GPA: 3.6/4.0

Selected Publications

Bonner, M., Wang, L., Mynatt, E. (2012). Activity-Based Interaction: Designing with Child Life Specialists in a Children's Hospital. In Proceedings of the thirtieth annual SIGCHI Conference on Human Factors in Computing Systems. CHI '12. Austin, TX. (in press).

Bonner, M., Brudvik, J., Abowd, G., Edwards, K. (2010). No-Look Notes: Accessible Eyes-Free Multi-touch Text Entry. In Proceedings of the eighth International Conference on Pervasive Computing. Helsinki, Finland.

Kim, T., Jeong, H., Chew, Y., **Bonner, M.**, Stasko, J. Social Visualization for Micro-Blogging Analysis. (2009). **Poster** at VisWeek 2009. Atlantic City, New Jersey, USA.

Shi, X., **Bonner, M.**, Adamic, L. A., & Gilbert, A. C. (2008). The very small world of the well-connected. In Proceedings of the nineteenth ACM conference on Hypertext and hypermedia (pp. 61-70). Pittsburgh, PA, USA: ACM. (**Best Paper Award**)

Work Experience

Virtual Worlds Intern

May 2009 - Aug 2009

Sun Microsystems - Sun Labs (Santa Clara, CA)

Intern on Wonderland team, a Java-based 3D open-source virtual world. Developed "metadata" module with an LDAP database for tagging in-world objects and a dependent "annotations" module. Team-wide "week of code" to create a "3D timeline" demonstrating Wonderland's features.

Website Design and Development

Jun 2008 - Aug 2008

University of Michigan - Center for Sustainable Systems (Ann Arbor, MI)

Designed and implemented a complete new website for the Center for Sustainable Systems. Extensive documentation and browser-compatibility work. Drupal Content Management System.

Website Development and Maintenance

Apr 2006 - Sep 2006

University of Michigan - Computer Aided Engineering Network (Ann Arbor, MI)

Worked on Web Team to develop and manage UMich College of Engineering website. Site development and maintenance, respond to client feedback. Zope Content Management System.

Skills

Languages: C, C++, CSS, HTML, Java, Javascript, Objective-C, Python, French

Libraries/Tools: iOS, Java Swing, JQuery, Drupal, Flex, Photoshop, Subversion, XCode

Fieldwork: Focus groups, shadowing, surveys, user evaluations, interviewing, participatory design