

Curriculum Vitae

Andrew D Miller

Contact Information

Address

Email

andrew@andrewmiller.net

Website

<http://www.andrewmiller.net>

Research Interests

With my advisor, Professor Elizabeth Mynatt, I'm researching ways that social computing technologies can affect everyday health behaviors. I'm particularly interested in understanding the interplay between people's social sense of self and their identities as healthy and active individuals, and I hope to gain insight into the ways computing technologies can mediate and influence behavior change with respect to everyday health and wellness.

Education

2008-present PhD student, Human-Centered Computing / Georgia Institute of Technology

I work with Professor Elizabeth Mynatt in the Everyday Computing Lab, where I'm looking at social computing technologies with specific emphasis on the health and wellness domain.

2004-2006 M.S. Human-Computer Interaction / Georgia Institute of Technology

As an HCI Masters student at Georgia Tech, I learned about usability, prototyping and testing, and sociological user research methodologies. For my masters project, I examined a community of photography enthusiasts centered around Flickr.com, and contrasted their behaviors and stated motivations with a similar number of more traditional home photographers. This research became a full paper entitled "Give and Take: a study of photo sharing theory and practice" which I presented at the 2007 Computer-Human Interaction conference.

2000-2004 B.A. Cognitive Science (cum laude) / Occidental College

At Occidental, I majored in Cognitive Science with an emphasis in Philosophy. I also minored in music, playing cello in chamber ensembles and the college symphony, and singing in the Glee Club. I became interested in HCI when writing my Senior Comprehensive "The Beige Black Box: Belief and Desire in Human-Computer Interaction."

Employment

2006-2008 User Experience Designer / Schematic

At Schematic, I designed high-profile projects on a variety of platforms. I worked with clients, visual designers, client-side and server-side developers to create compelling experiences. Sample projects include a Windows Media Center application for Nickelodeon, a web-based content management system for Sesame Workshop, and a mobile social network for Nokia. I created personas, storyboards, wireframes, and functional specs. I also helped scope projects and worked on proposals. I created and tested paper-based prototypes, and worked closely with user researchers to run and evaluate usability tests.

2004-2006 Human Factors Researcher / Bellsouth

At Bellsouth, I conducted usability studies, created prototypes, and performed heuristic evaluations on a variety of telephony projects, including Voice Over IP, home networking and service center support software. I also prepared presentations and analyzed results.

Publications (selected)

Mamykina, L., Miller, A., Grevet, C., Medynskiy, Y., Terry, M., Mynatt, E.D., Davidson, P. "Examining the Impact of Collaborative Tagging on Sensemaking in Nutrition Management." (Forthcoming) Proceedings of the 29th international conference on Human Factors in Computing Systems - CHI '11, Vancouver BC, Canada, May 7-12, 2011.

Mamykina, L., Miller, A., Mynatt, E.D., and Greenblatt, D. "Constructing Identities through Storytelling in Diabetes Management." Proceedings of the 28th international conference on Human Factors in Computing Systems - CHI '10, Atlanta, GA, April 10-15, 2010.

Eiriksdottir, E., Kestranek, D., Miller, A., Poole, E., Xu, Y., Catrambone, R., Mynatt, E.D. "Stepping Outside the Classroom: Fitness Video Games For K-12 Settings." Presented at the Workshop on Interactive Systems in Healthcare at the 28th international conference on Human Factors in Computing Systems - CHI '10. Atlanta, GA. April 10-15, 2010.

Miller, A. Edwards, W.K. "Give and Take: A Study of Consumer Photo-Sharing Culture and Practice." Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2007). San Jose, California. April 28-May 3, 2007.

Service

Institutional Review Board

Full board member, Georgia Tech Central IRB. September 2009 – present.

Journal Reviewer

Computer Supported Cooperative Work (CSCW). January 2010.

Papers Reviewer

ACM International Conference on Human Computer Interaction (CHI), 2009-2011

Pervasive Health Conference, 2008-2009

Work-in-Progress Reviewer

ACM International Conference on Human Computer Interaction (CHI), 2007-2011

Fellowships, Honors and Awards

Georgia Tech Research Institute (GTRI) Robert G. Shackelford Graduate Fellow, 2009-2011

Funds tuition and expenses for promising graduate students working in collaboration with GTRI

Georgia Tech College of Computing Graduate Research Award, 2009

Presented to two students in their first year of the PhD program for excellence in interdisciplinary research

Occidental Trustee Scholarship Recipient, 2000-2004

A merit-based scholarship of \$10,000 per year awarded to incoming students showing exceptional promise

Occidental Undergraduate Summer Research Fellow, 2003

Funds students in the summer of their Junior year to complete undergraduate research in partnership with faculty