

Eric Gilbert

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Education

University of Illinois at Urbana-Champaign 2005 - present
Ph.D. in Computer Science
In Pursuit

University of Illinois at Urbana-Champaign 1997 - 2001
B.S. in Mathematics and Computer Science
Cum Laude and Highest Distinction

Research Interests

Human-Computer Interaction, Social Computing, Visualization, Legal and Social Issues in Computing

Research

Gossip Fall 2006 - present

Currently investigating transforming a small portion of a person's gossip into a public display. Conducting low-fi prototyping sessions with students from across the University.

Assisted Living Summer 2006

As part of a larger Assisted Living project, built and refined interfaces for a pilot study in June-July 2006. Conducted the pilot user study at the assisted living facility.

LifeSource: Two CVS Visualizations Fall 2005 - Fall 2006

Two visualizations of software development, one person-centric and one file-centric. Currently conducting online user study with lead open source developers.

Publications

Gilbert, E. and Karahalios, K. CodeSaw: A Social Visualization of Distributed Software Development. Proceedings of Interact 2007.

AlShebli, B.K., Gilbert, E. and Karahalios, K. The Social Implications of an Assisted Living Reminder System. To appear at HCI International 2007.

Gilbert, E., Yapchaian, M. and Karahalios, K. Exploring Passive Social Wearables with Gossip. Shared Encounters Workshop. ACM Conference on Human Factors in Computing Systems 2007.

Gilbert, E. and Karahalios, K. LifeSource: Two CVS Visualizations. Extended Abstracts of the ACM Conference on Human Factors in Computing Systems, Montreal, Canada, 2006.

Bardeen, M., Gilbert, E., et al. The QuarkNet/Grid Collaborative Learning e-Lab. Future Generation Computer Systems, The International Journal of Grid Computing: Theory, Methods and Applications, 2005.

Relevant Experience

Lead Developer, Fermilab August 2004 - December 2005

Served as lead developer for Quarknet/Grid, a project by Fermilab, Argonne National Laboratory and The University of Chicago. Helped design collaboratory that brings the computing power of The Grid to high school students. Authored grid-computing code. Presented at SuperComputing 2004.

Computer Scientist, Lawrence Livermore National Lab July 2001 - July 2002

Analyzed computer and social networks in Java and C/C++. Developed visualizations of very large graphs.

Software Engineer, NovaNet February 1999 - May 2001

Developed distance education software for students removed from standard public schools.

Teaching Experience

Teaching Assistant, University of Illinois Spring and Fall 2006

Introduction to Computing for Non-Technical Majors, Professor Marsha Woodbury. Ranked as excellent by students.

High School Teacher, Teach For America July 2002 - July 2004

Served as member of national service corps of outstanding recent college graduates of all academic majors who commit two years to teach in under-resourced urban and rural public schools. Taught on the South Side of Chicago at Paul Robeson High School. Developed and implemented the school's first ever college prep Computer Science curriculum.

Other Experience

Tutor, National Society of Black Engineers 1999 - 2001

Provided weekly support in mathematics.

Workshop Leader, Expanding Your Horizons Conference October 2001

Lead workshop at conference to encourage young women to pursue careers in science and technology.

Honors and Awards

NSF Graduate Research Fellowship Honorable Mention Fall 2005

National Merit Scholarship 1997 - 2001

UIUC James Scholar 1997 - 2000

Dean's List 1997 - 2001

First United Bank Technical Scholarship 1997 - 2001

William Lowell Putnam Mathematics Competition: Top 4% December 1999

Affiliations

ACM 2006 - present

ACM SIGCHI 2006 - present