

Katherine Panciera

CONTACT INFORMATION	GroupLens Research Department of Computer Science and Engineering University of Minnesota Minneapolis, MN 55455 USA	katie@panciera.net http://katie.panciera.net
EDUCATION	Ph.D., Computer Science , in progress University of Minnesota, Twin Cities Minneapolis, MN Advisor: Dr. Loren Terveen	Expected Spring 2012
	B.A., Independent Major: Computer Science , <i>magna cum laude</i> B.A., Mathematics , <i>magna cum laude</i> Berea College Berea, KY Advisor: Dr. Jan Pearce Semester Abroad: University of York, United Kingdom	May 2005 May 2005
RESEARCH EXPERIENCE	Cyclopath Project GroupLens Research University of Minnesota Advisor: Dr. Loren Terveen Researcher - The project, Cyclopath (http://cyclopath.org), is a research geowiki focusing on the bicycling community in the Minneapolis-St. Paul metro area. We have over 2,500 registered users, and the map has been revised over 12,000 times. - The Cyclopath team currently has four Ph.D. students and a software engineer. Cyclopath Project Coordinator - I am responsible for assigning and monitoring development tasks to team members, managing meetings, and monitoring customer support. - I also work with Dr. Terveen and our technical lead to hire personnel and do long term project planning.	July 2009 to present July 2009 to present August 2010 to August 2011
	Graduate Fellow GroupLens Research University of Minnesota Advisors: Dr. John Riedl and Dr. Loren Terveen - I am currently on a GAANN Fellowship. Previously I was supported on a National Science Foundation Graduate Research Fellowship. - As a member of the Cyclopath research team, I work on projects centered around understanding users' lifecycles and motivations. - On the Wikipedia research team, I investigated lifecycles of Wikipedia editors, focusing on differences between elite and average editors.	June 2006 to August 2011

RESEARCH
EXPERIENCE
(CONTINUED)

User Experience Research Intern

Summer 2008

Google, Inc
Mountain View, CA
Mentor: David Choi

- I worked on the ads team on two projects, one formative and the other a user-centered design project.
- I developed data-driven personas and planned, ran, and analyzed usability studies. During usability testing we utilized the RITE method.
- In addition to running my own remote-usability studies, I ran studies for another researcher on short notice. I also worked with a remote researcher to run a joint study.

Research Assistant

August 2005, Jan. 2006 to May 2006

Center for Distributed Robotics
University of Minnesota
Advisor: Dr. Nikolaos Papanikolopoulos

- I worked on the development and maintenance of a technology summer camp for middle school children.
- I researched interfaces for optimal control of robots, specifically the eROSI educational platform.

Visiting Researcher

July 2006 to August 2006

Social Robotics Research Lab
Yale University
Supervisor: Dr. Brian Scassellati

- As part of my initial research for my NSF Graduate Research Fellowship, I visited the Social Robotics Research Lab to learn more about humanoid research and autism research.
- I worked with their primary robot, Nico, and set up an eye tracking project to bring back to the University of Minnesota.

Research Assistant

Summer 2003

Department of Mathematics and Computer Science
Berea College
Advisors: Dr. James Blackburn-Lynch and Dr. Jan Pearce

- I worked with a team of two other students and two faculty to study the efficacy of various methods of robot dispersion.
- This project involved programming, but also engineering. We used the Lego Mindstorms and several add ons had to be created in order to facilitate different types of dispersion.

INVITED TALKS

Syracuse University, Syracuse, NY
iSchool Brown Bag Talk

Nov. 2, 2011

User Participation in Open Collaboration: When, Why, and Who Cares?

Berea College, Berea, KY
Computer Science Homecoming Lecture

Nov. 12, 2010

The Early Lives of Users in Online Communities

TEACHING
EXPERIENCE

Instructor: Overview of Computer Science
Department of Computer Science and Engineering
University of Minnesota

Spring 2010

- I co-taught CSCI 1001: Overview of Computer Science, a class with 50 students. This class is an introductory class for non-computer science majors and meets both a math requirement and a citizenship and public ethics requirement for the undergraduates. There were three lectures and one lab session a week.
- I was responsible for approximately half of the lectures, as well as writing the associated assignments, labs, and exams. In addition, I helped to oversee the three teaching assistants for the course.

Teaching Assistant
Department of Computer Science and Engineering
University of Minnesota

Fall 2005, Fall 2006 to Spring 2007, Fall 2011

Supervisor: Dr. Phil Barry Professors: Dr. Loren Terveen and Dr. Joseph Konstan

- I assisted with three different courses: Structure of Computer Programming (CSCI 1902, a CS 2 course), UI Design, Implementation and Evaluation (CSCI 5115, a graduate level HCI course), and Overview of Computer Science (CSCI 1001, an intro to computer science for non-majors).
- I graded homework, wrote exams and assignments, led labs, ran project meetings, and assisted students as needed.

Teaching Assistant
Department of Mathematics and Computer Science
Berea College Supervisor: Dr. Jan Pearce

Fall 2002 to Spring 2005

- I assisted with four different courses: Introduction to Computer Science, Algorithms, Objects, and Data Structures, Calculus II, and Environmental Issues: A Math Modelling Approach.
- I graded homework, helped students, and occasionally led lectures. I also worked in the Math Lab, tutoring for all math and computer science courses.

POSTERS

K. Panciera. *Then When and Why of User Participation.* WikiSym, October 2011.

K. Panciera. *Then When and Why of User Participation.* Social-Computational Systems Workshop, June 2011.

K. Panciera. *User Lifecycles in Cyclopath: A Survey of Users.* iConference, February 2011.

K. Panciera, R. Priedhorsky, A. Halfaker, T. Erickson, and L. Terveen. *Wikipedians? Cyclopaths? A Quantitative Analysis of Power Users in Online Communities.* MinneWIC, February 2010. **Winner, Best Graduate Poster.**

K. Panciera, M. Cardoso, and A. Rouben. *Wikipedians Over Time: A Comparative Study of User Contributions.* Grace Hopper Celebration of Women in Computing, October 2007.

- WORKSHOPS
(LEADER) A. Forte, S. P. Goggins, S. Sawyer, D. Rotman, M. Twidale, C. Sims, K. Shankar, B. Butler, **K. Panciera**, and H. Mentis. *Socio-Technical Research: Connecting Disciplines in the iSchools*. iConference, February 2011.
- S. P. Goggins, A. Forte, S. Sawyer, D. Rotman, M. Twidale, C. Sims, K. Shankar, B. Butler, **K. Panciera**, and H. Mentis. *Sharing the Socio-Technical Workshop Results: An Alternative Event with Alternate Endings*. iConference, February 2011.
- C. Aragon, M. Gini, and **K. Panciera**. *How Do I Become a Researcher?: CRA-W Career Mentoring Workshop*. Grace Hopper Celebration of Women in Computing, September 2010.
- WORKSHOPS
(PARTICIPANT) Doctoral Consortium at WikiSym 2011.
Palo Alto, CA. October 2011.
- Making Sense of Social Media: Empirical Research and Future Directions.
Swabian Alb, Germany. August 2011.
- Human Computer Interaction Consortium (HCIC) 2011.
Pacific Grove, CA. June 2011.
- Doctoral Symposium at the Social-Computational Systems Workshop.
Minneapolis, MN. June 2011.
- Summer Research Institute, Consortium for the Science of Sociotechnical Systems
Stevenson, WA. June 2010.
- Approaching Amateurs Workshop at GROUP 2009.
Sanibel Island, FL. May 2009.
- PRESENTATIONS **K. Panciera**. *In the Beginning: The Early Lives of Users in Online Communities*.
Grace Hopper Celebration of Women in Computing, September 2010.
- K. Rozier, K. Walcott, and **K. Panciera**. *Choosing Your Building Bricks: How to Find Your Research Direction*. Grace Hopper Celebration of Women in Computing, October 2008.
- K. Panciera**. *Second Annual Robotics Summer Camp for Underrepresented Students*.
Conference on Innovation and Technology in Computer Science Education, June 2007.
- K. Panciera**. *Technology Outside the Bubble*. Pi Mu Epsilon Student Conference,
Miami University (Oxford, OH), October 2005.
- E. Hess and **K. Panciera**. *Comparing Dispersion Algorithms for Teams of Robots*.
Invited presentation to Berea College Trustees, Berea College (Berea, KY), October 2004.

HONORS &
AWARDS

National Science Foundation

Graduate Research Fellowship

2006 to 2009

Department of Computer Science and Engineering

University of Minnesota

Graduate Assistance in Areas of National Need Fellowship

2009 to 2011

Departmental Academic Excellence Fellowship

Spring 2006

Berea College

Olive Ruth Russell Fellowship

2005 to 2006

A competitive scholarship for Berea College women to pursue graduate study.

Ballard-McConnell-Willis Mathematics Scholarship

2003 to 2005

A competitive scholarship for math students at Berea College.

Honor Societies

Pi Mu Epsilon (National Math Honor Society)

inducted Spring 2004

Phi Kappa Phi (National Honor Society)

inducted Fall 2002

SERVICE

Department of Computer Science and Engineering

University of Minnesota

Director of Graduate Studies Advisory Council

2007-2008

Ph.D. Student Evaluation Process Committee

2007-2008

Computer Science Graduate Association President

2007-2008

Computer Science Graduate Association Secretary

2006-2007

Berea College

Math and Computer Science Club President

2004-2005

Department of Math and Computer Science Faculty Recruiting Committee

2005

Math and Computer Science Club Secretary/Treasurer

2003-2004

Concert Choir Secretary/Treasurer

2002-2003

Technology Committee, Plymouth Congregational Church

Fall 2011

Minneapolis, MN

I am currently serving on the technology committee which aims to improve technology through many different facets. In particular, we are focused on policy, implementation, and training for several specific types of technology. Primarily we will be working on the website, social media, and a church-wide database.

Whittier Elementary School Math Tutor

Jan 2007 to June 2009

Minneapolis, MN

Most recently, I spent an hour or more a week working with several second-grade girls on basic arithmetic. We worked in English and (rudimentary) Spanish. I have also worked with students in kindergarten, first, fourth, and fifth grade.

SERVICE
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University of Minnesota Technology Day Camp Month of August 2005-2007
Minneapolis, MN

In 2005, I served as a graduate student assistant during the week long robotics and technology camp. In 2006, I helped lead the camp as the primary assistant to the organizer. In 2007, I was one of the two organizers and led a group of students for the week. In addition, I was involved in scheduling, curriculum design, and other planning. The camp was designed to entice Latino, African-American, and female middle schoolers to pursue further studies in Computer Science.

Conference Reviewer

Conference on Human Factors in Computing Systems (CHI) (2010, 2011, 2012)
Conference on Computer Supported Cooperative Work (CSCW) (2011, 2012)
International AAAI Conference on Weblogs and Social Media (ICWSM) (2011)
Conference on Innovation & Technology in Computer Science
Education (ITiCSE) (2007, 2010, 2011)
Usability Professionals' Association International Conference (UPA) (2011)
iConference (2011)
Technical Symposium on Computer Science Education (SIGCSE) (2008, 2011)
International Symposium on Wikis and Open Collaboration (WikiSym) (2009, 2010)
IEEE International Conference on Robotics and Automation (ICRA) (2006, 2009)
International World Wide Web Conference (WWW) (2008)
IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS) (2007)

PROFESSIONAL
MEMBERSHIPS

Association for Computing Machinery (ACM)
ACM Special Interest Group on Computer-Human Interaction
ACM Special Interest Group on Computer Science Education
ACM Special Interest Group on Accessibility
Computer Science Teachers Association
Human Factors and Ergonomics Society
Usability Professionals' Association