

Kristin Kaster Lamberty

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Current Status

I am currently a Ph.D. candidate in the College of Computing at Georgia Tech where I am working on my dissertation research. I intend to graduate in the spring of 2005. I will then be applying for research and teaching positions in academic institutions.

Research Interests

Learning Sciences and Technology (LST), computer supported collaborative learning (CSCL), human-computer interaction (HCI)

Education

Georgia Institute of Technology, Atlanta, GA.

- August 2000 - present
Ph.D. candidate in the College of Computing. Advisor: Dr. Janet L. Kolodner
- July 2004 – Master of Science in Computer Science

University of Minnesota, Morris, MN.

- May 2000 – Bachelor of Arts. Majors in computer science and French. Advisor: Dr. Nicholas McPhee.

Research Experience

College of Computing, Georgia Institute of Technology, Atlanta, GA

August 2001 - present

National Science Foundation - Graduate Research Fellow

Designing socio-technical systems to support learners as they engage in learning through design projects. Supporting student engagement with an open-ended design tool for learning. Advisor: Dr. Janet Kolodner.

August 2000 - August 2001

Graduate Research Assistant

Worked with research team to plan and execute a new version of software to support case-based science learning. Specifically, I focused on designing an indexing scheme to help learners organize their cases for future reference. Advisor: Dr. Janet Kolodner.

Computing Research Association - Distributed Mentor Project -

June 1999 - August 1999

Duke University, Durham, NC

Worked on an application to trace user events and system calls on the PalmIII in order to understand more about power consumption and user needs in mobile computing. Mentor: Dr. Carla Ellis.

June 1998 - August 1998

University of Oregon, Eugene, OR

Researched user needs and implemented a new user interface for the Virtual Notebook Environment (ViNE) project, an electronic notebook designed with an emphasis on the cognitive scientist's needs. My research focused on the navigation of the notebook environment and involved creating and conducting user tests. Mentor: Dr. Janice Cuny

Undergraduate Research Opportunities Program -

August 1997 - June 1998

University of Minnesota, Morris, MN

Explored Paris' representation in French film, focusing on the philosophical ideas of alienation, defamiliarization, and deconstruction. Advisor: Dr. Matthew Senior

Publications

Conferences

Lamberty, K.K. & Kolodner, J.L. (2004). Towards a New Kind of Computational Manipulative: Children Learning Math and Designing Quilts with Manipulatives That Afford Both. *In A. Druin, J.P. Hourcade, & S. Kollet (Eds.), Proceedings of Interaction Design and Children (IDC) 2004: Building a Community.* (pp. 143-144). New York, NY: ACM Press.

Rick, J. & Lamberty, K. K. (2004). Medium-Based Design: Supporting Bricoleur Designers. *In Y. Kafai et al. (Eds.), Embracing Diversity in the Learning Sciences: The proceedings of the Sixth International Conference of the Learning Sciences (ICLS).* (pp. 630). Mahwah, NJ: Erlbaum.

Lamberty, K.K. & Kolodner, J.L. (2002). Exploring Digital Quilt Design Using Manipulatives as a Math Learning Tool. *In P. Bell, R. Stevens, & T. Satwicz (Eds.), Keeping Learning Complex: The proceedings of the Fifth International Conference of the Learning Sciences (ICLS).* (pp. 552-553). Mahwah, NJ: Erlbaum.

Lamberty, K.K., Mitchell, A. Ownesby, J.N., Sternberg, D. & Kolodner, J.L. (2001). *SMILE: Promoting transfer in a design-based science classroom.* A paper presented at the University of Georgia Department of Instructional Technology's Design: Connect, Create, Collaborate Conference. Athens, Georgia.

Teaching Experience

May - August 2004

Georgia Institute of Technology, Instructor (Breakout sessions)

Instructor for CS 1315, Introduction to Media Computation: an introductory computer science course geared towards non-majors.

Student Advising

Undergraduate Special Topics Students

- Summer 2004 (with Dr. Janet Kolodner): Kristin Vadas
- Fall 2002 (with Dr. Mark Guzdial): Marc Calahan

- Summer 2002 (with Dr. Janet Kolodner): Megan Chinburg, CRA-Distributed Mentor Project participant

Other Employment

March 1999 - May 2000

Office of Residential Life, University of Minnesota, Morris, MN.

Resident Advisor Supported community development in undergraduate residence halls through educational programming, group activities, helping, and referring residents to other campus wide services as appropriate. Took on-call duties as needed. Participated in leadership training experiences.

June 1994 - September 1996

Tendertime Childcare - Maple Grove, MN

Childcare Aide Provided basic needs for infants and children. Gained valuable knowledge about child development through experience.

September 1993 - May 1994

Dancin' On Broadway - Brooklyn Park, MN

Assistant Dance Instructor Assisted children age 3-10 in learning basic ballet, tap, and jazz technique.

Service and Volunteer Activities

Reviewer

- Convergence (2003)
- Journal of the Learning Sciences (2002)

Student Volunteer

- Student coordinator for Cognitive Science program (included organizing and planning 2 student conferences) (2001-2003)
- Women @ CC (Women at the College of Computing) – Co-coordinator for outreach programs (2003-2004)
- Women @ CC – Founding member of the sisters program, Big Sister (2002-2003)

Honors and Awards

- Doctoral Consortium, International Conference of the Learning Sciences (2004)
- Doctoral Consortium, Interaction Design and Children (2004)
- National Science Foundation Graduate Research Fellowship (2001 - present)
- Presidential Fellowship, Georgia Institute of Technology (2001 - present)
- Scholar of the College, University of Minnesota, Morris (2000)