

Katherine Mary Everitt

PhD Student

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University of Washington

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RESEARCH STATEMENT

My primary research interest is in Human Computer Interaction, with a focus on organizing and sharing information, Computer Supported Cooperative Work, and MultiModal Interfaces. I have also explored early stage design and novel interfaces. I have experience with building and evaluating research systems, including interfacing multiple devices.

EDUCATION

M.Sc. Computer Science
University of California, Berkeley, CA June 2003

B.Sc. Computing and Information Science
Queen's University at Kingston, Ontario, Canada May 2001

EXPERIENCE

Microsoft Research June 2007 – Sept 2007
Intern

- With: A. J. Brush and Merrie Morris
- Exploring tangible interaction on desk displays.

University of Washington Jan 2005 – Present
Research Assistant

- Advisor: James Landay
- Activity-Based Ubicomp Research with the DUB group.

Intel Research Seattle June 2006 – Sept 2006
Intern

- With: James Landay
- Improving speech recognition with physical context.

Intel Research Seattle June 2005 – Sept 2005
Intern

- With: Sunny Consolvo, Ian Smith, and James Landay
- Researching fitness motivation using ubicomp technology
- Developed step count sharing software for Nokia series 60 mobile phones
- Ran user study to evaluate effect of step count sharing among friends on fitness motivation

University of Washington

(1) Oct 2004 – Dec 2004

Teaching Assistant

(2) Oct 2006 – Dec 2006

- Course: CSE 490JL: User Interface Design, Prototyping, and Evaluation
- Supported and directed group projects, led a weekly discussion section and graded assignments.

Mitsubishi Electric Research Laboratory

(1) April – Aug 2004

Research Assistant

(2) Mar – Aug 2003

- Host: Chia Shen
- Explored ad hoc collaboration and personal control of documents using interactive tabletops.
- Researched interaction techniques connecting multiple devices and collaboration in a multi-device setting.

University of California, Berkeley, CA

Sept 2001 – Feb 2003

Research Assistant

- Advisor: James Landay
- Collaborated on the research, design, and implementation of The Designers' Outpost: a tangible user interface that combines the affordances of paper and a large physical workspace with the advantages of electronic media to support co-located and distributed collaborative design.
- Led research on remote collaboration support for The Designers' Outpost.
- Supervised two undergraduate researchers.

Queen's University at Kingston, ON

Sept – Dec 2000

Head Teaching Assistant

- Course: CISC 101: Elements of Computing Science I
- Scheduled 8 TAs and coordinated lab schedules for 250 students.
- Designed and administered biweekly quizzes and graded examinations.

Centre for Operations Excellence, UBC

May – Aug 2000

System Administrator

- Administered a small network of 15 computers running Windows NT.
- In charge of backups, updates, hardware maintenance, and server administration.

- Provided assistance with software and programming.

Queen's University at Kingston, ON
Teaching Assistant

(1) Jan – April 2000 (CISC 124)
(2) Sept – Dec 1999 (CISC 101)

- CISC 101: Elements of Computing Science I
- CISC 124: Introduction to Computing Science II
- Designed and instructed a three hour tutorial and lab every week.
- Tutored students on the course material and graded assignments and midterms in Java.

Centre for Operations Excellence, UBC
Research Assistant

(1) May – Aug 1999
(2) May – Aug 1998

- Research Assistant with Operations Research Management M.Sc. program.
- Worked on an equipment balancing optimization project for Canadian Airlines with a team of Commerce Masters students.
- Designed and implemented a Meal and Equipment Scheduling Database for Canadian Airlines using MS ACCESS.

PUBLICATIONS

Journal Publications

- Integrating Physical and Digital Interactions on Walls for Fluid Design Collaboration, Scott R. Klemmer, Katherine M. Everitt, and James A. Landay. To Appear in Human-Computer Interaction, 2007, 22.
- Consolvo, S., Harrison, B., Smith, I., Chen, M.Y., Everitt, K., Froehlich, J., Landay, J.A. (2007). "**Conducting In Situ Evaluations for and with Ubiquitous Technologies**" International Journal of Human-Computer Interaction, Vol. 22, No. 1-2, Pages 103-118.
- Ryall, K., Morris, M.R., Everitt, K., Esenther, A., Forlines, C., Shen, C., Shipman, S., and Vernier, F. Identity-Differentiating Widgets for Multi-User Interactive Surfaces. IEEE Computer Graphics and Applications, Sept/Oct 2006, 56-64.
- Chia Shen, Kathy Ryall, Clifton Forlines, Alan Esenther, Frédéric D. Vernier, Katherine Everitt, Mike Wu, Daniel Wigdor, Meredith Ringel Morris, Mark Hancock, Edward Tse, "**Informing the Design of Direct-Touch Tabletops**," IEEE Computer Graphics and Applications, vol. 26, no. 5, pp. 36-46, Sept/Oct, 2006

Papers and Short Papers

- Krzysztof Z. Gajos, Katherine Everitt, Mary Czerwinski, Desney S. Tan

- and Daniel S. Weld. Predictability and accuracy in adaptive user interfaces. In Proceedings of CHI'08, Florence, Italy, 2008. CHI Note.
- Katherine Everitt, Susumu Harada, Jeff Bilmes, James Landay "Disambiguating Speech Commands using Physical Context" In Proceedings of the 9th International ACM Conference on Multimodal Interfaces (Nagoya, Japan, November 12-15, 2007). ICMI '07.
 - S. Consolvo, K. Everitt, I. Smith, J.A. Landay, "Design Requirements for Technologies that Encourage Physical Activity," Proceedings of the Conference on Human Factors and Computing Systems: CHI '06, Montreal, Canada, Apr 2006.
 - Katherine Everitt, Chia Shen, Kathy Ryall, Clifton Forlines. "DocuBits & Containers: Providing e-Document Micro-Mobility in a Walk-up Interactive Tabletop Environment" Proc. INTERACT 2005, Rome, Italy, p998-1001.
 - Kathy Ryall, Alan Esenther, Katherine Everitt, Clifton Forlines, Meredith Ringel Morris, Chia Shen, Sam Shipman, Frederic Vernier. "iDwidgets: Parameterizing Widgets by User Identity" Proc. INTERACT 2005, Rome, Italy, p1124-1127.
 - Katherine Everitt, Chia Shen, Kathy Ryall, Clifton Forlines. "Modal Spaces: Spatial Multiplexing to Mediate Direct-Touch Input on Large Displays." Proc. CHI 2005, p1359 – 1362.
 - Shen, C.; Everitt, K.M.; Ryall, K., "UbiTable: Impromptu Face-to-Face Collaboration on Horizontal Interactive Surfaces " Proc. UbiComp 2003, p281-288.
 - Katherine M. Everitt, Scott R. Klemmer, Robert Lee, James A. Landay, "Two Worlds Apart: Bridging the Gap Between Physical and Virtual Media for Distributed Design Collaboration." Proc. CHI 2003, p553 – 560.
 - J. Wu, T.C.N. Graham, K. Everitt, D. Blostein, and E. Lank, "Modeling Style of Work as an Aid to the Design and Evaluation of Interactive Systems" Proc. Computer-Aided Design of User Interfaces, CADUI 2002.

Workshops and Posters

- **Katherine Everitt**, Chia Shen, Kathy Ryall, Clifton Forlines. "MultiSpace: Enabling Electronic Document Micro-mobility in Table-Centric, Multi-Device Environments" IEEE International Workshop TableTop 2006
- **Katherine Everitt**, Sunny Consolvo, Ian Smith, & James A. Landay, "Evaluating Ubiquitous Computing Applications In Situ" In-Use, In-Situ Workshop, England 2006
- **Katherine Everitt**, Kathy Ryall, Chia Shen. "Observations of a Shared Tabletop

- Study." CSCW 2004, Chicago IL.
- Scott Klemmer, **Katherine Everitt**, "Bridging Physical and Electronic Media for Distributed Design Collaboration" Proc. CHI 2002.

AWARDS/DISTINCTIONS

Bursaries and Scholarships

\$25,000	Siebel Scholars Program Fellowship	2002
\$34,600	Natural Science and Engineering Research Council (NSERC) Post Graduate Scholarship A	2002
\$34,600	NSERC Post Graduate Scholarship A	2001 (Declined)
\$2,500	The Legasys Prize in Software Science, Queen's University, Department of Computing and Information Science	2000
\$4,000	NSERC Undergraduate Research Award	1998,1999,2000
\$1,000	Queen's Appeal Undergraduate Scholarship	1999

Awards and Distinctions

Queen's University Undergraduate Thesis Award, 2nd Place	2001
Queen's University Dean's List	1999, 2001
Ontario Athletic Association Academic Achievement Award	1998,1999,2000

SERVICE

Student Volunteer Co-Chair: UIST 2007

Prospective Student Committee Co-Chair: University of Washington, 2006

Student Volunteer: Tabletop 2006, UIST 2006, CHI 2005, CSCW 2004, Ubicomp 2003, CHI 2002

Paper Reviewing: CHI 2006, UIST 2005, Ubicomp 2005 workshop