

Laura A. Beckwith

Curriculum Vitae

March 2007

School of Electrical Engineering and Computer Science
Oregon State University
Corvallis, OR 97331

e-mail: beckwith@eecs.oregonstate.edu
web: www.eecs.orst.edu/~beckwith
Phone: (541) 981-6992
Fax: (541) 737-3014

Research Interests

Human Computer Interaction (HCI); Gender HCI; End-User Programming, End-User Software Engineering.

Education

Oregon State University

Ph.D. Candidate, Computer Science
Advisor: Margaret M. Burnett
Dissertation Topic: Gender HCI

November 2002 – Present
Expected Graduation: Spring 2007

University of Cambridge (U.K.)

Visiting Researcher
Host: Alan Blackwell

April 2005 – June 2005

Oregon State University

MS, Computer Science

September 2000 – November 2002

Hobart and William Smith Colleges (Geneva, NY)

BS, Computer Science and Physics

September 1994 – June 1998

Research Positions

GRA, EUSES Research Team (2003 – present)
GRA, Forms/3 Research Team (2001 – 2003)

Advisor: Margaret Burnett
Advisor: Margaret Burnett

Collaborators

Susan Wiedenbeck
Alan Blackwell

Drexel University
University of Cambridge

Teaching Experience

Instructor for CS352 – Usability Engineering
TA for CS261 – Data Structures
TA for CS160 – Computer Science Orientation
Instructor for CS381 – Programming Language Fundamentals
TA for CS161 – Java Programming I
TA for CS381 – Programming Language Fundamentals

June 2006 – August 2006
March 2004 – June 2004
September 2003 – December 2003
June 2001 – August 2001
January 2001 – March 2001
September 2000 – December 2000

Professional Experience

Associate Software Engineer

July 1998 – August 2000

Veramark Technologies Inc., Pittsford, NY

- Programmed custom reports for software managing telecommunications within businesses
- Worked with customers to develop reports that would meet their needs
- Aided technical support department with trouble shooting help
- Designed software interfaces, tested, installation, & documentation for each project

Intern

Summer 1997, December 1997

Metropolitan Life, Warwick, RI

- Developed an automated program for system and hardware analysis
- Created a menu driven, automated data entry for income statement

Publications

Refereed Publications (Magazine/Journals):

1. Beckwith, L., Burnett, M., Wiedenbeck, S., and Grigoreanu, V. Gender HCI: What About the Software? *IEEE Computer*, November 2006, 83-87.

Refereed Conference Publications:

2. Grigoreanu, V., Beckwith, L., Fern, X., Yang, S., Komireddy, C., Narayanan, V., Cook, C., Burnett, M., Gender Differences in End-User Debugging, Revisited: What the Miners Found. In Proceedings of *IEEE Symposium on Visual Languages and Human-Centric Computing Languages and Environments*, Brighton, England, September 2006, 19-26.
3. Beckwith, L., Kissinger, C., Burnett, M., Wiedenbeck, S., Lawrance, J., Blackwell, A., and Cook, C. Tinkering and Gender in End-User Programmers' Debugging. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI'06)*, Montreal, Canada, April 2006, 231-240.
4. Beckwith, L., Sorte, S., Burnett, M., Wiedenbeck, S., Chintakovid, T., and Cook, C. Designing Features for Both Genders in End-User Programming Environments. In Proceedings of *IEEE Symposium on Visual Languages and Human-Centric Computing Languages and Environments*, Dallas, TX, September 2005, 153-160.
5. Phalgune, A., Kissinger, C., Burnett, M., Cook, C., Beckwith, L., and Ruthruff, J. Garbage In, Garbage Out? An Empirical Look at Oracle Mistakes by End-User Programmers. In Proceedings of *IEEE Symposium on Visual Languages and Human-Centric Computing Languages and Environments*, Dallas, TX, September 2005, 45-52.
6. Beckwith, L., Burnett, M., Wiedenbeck, S., Cook, C., Sorte, S., Hastings, M., Effectiveness of End-User Debugging Software Features: Are There Gender Issues? In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI'05)*, Portland, Oregon, April 2005, 869-878.
7. Beckwith, L. and Burnett, M., Gender: An Important Factor in End-User Programming Environments? In Proceedings of *IEEE Symposium on Visual Languages and Human-Centric Computing Languages and Environments*, Rome, Italy, September 2004, 107-114.

8. Ruthruff, J., Phalgune, A., Beckwith, L., Burnett, M., and Cook, C., Rewarding Good Behavior: End-User Debugging and Rewards. In Proceedings of *IEEE Symposium on Visual Languages and Human-Centric Computing*, September 2004, 115-122.
9. Robertson, T., Prabhakararao, S., Burnett, M., Cook, C., Ruthruff, J., Beckwith, L., and Phalgune, A. Impact of Interruption Style on End-User Debugging. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI'04)*, Vienna, Austria, April 2004, 287-294.
10. Wilson, A., Burnett, M., Beckwith, L., Granatir, O., Casburn, L., Cook, C., Durham, M., and Rothermel, G., Harnessing Curiosity to Increase Correctness in End-User Programming. In Proceedings of *ACM Conference on Human Factors in Computing Systems (CHI'03)*, Ft. Lauderdale, FL, April 2003, 305-312.
11. Beckwith, L., Burnett, M., and Cook, C., Reasoning about Many-to-Many Requirement Relationships in Spreadsheet Grids, In Proceedings of *IEEE Symposium on Human-Centric Computing Languages and Environments*, Arlington, VA, Sept. 2002.

Lightly Refereed Publications:

12. Beckwith, L., Chintakovid, T., Wiedenbeck, S., and Burnett, M., Mining Qualitative Behavioral Data from Quantitative Data: A Case Study from the Gender HCI Project. In Proceedings of *Psychology of Programming Interest Group*, Brighton, U.K., June 2005.
13. Beckwith, L., Burnett, M., Sorte, S., Gender and End-User Computing. In *Encyclopedia of Gender and Information Technology*, Information Science Publishing, 2006.

Student Conference Events:

14. Beckwith, L., Gender HCI Issues in Problem-Solving Software, Doctoral Consortium, *Grace Hopper Conference for Women in Computing*, San Diego, CA, October 2006.
15. Beckwith, L., Gender HCI Issues in Problem-Solving Software, Doctoral Consortium, *ACM Conference on Human Factors in Computing Systems (CHI'05)*, Portland, OR, April 2005.
16. Beckwith, L., Gender HCI Issues, In *IEEE Symposium on Visual Languages and Human-Centric Computing Languages and Environments*, Graduate Student Consortium: Programming for the Educationally Disadvantaged, Auckland, New Zealand, Oct. 2003.
17. Beckwith, L., End User Requirement Specification for Spreadsheets, In *IEEE Symposium on Human-Centric Computing Languages and Environments*, Special Event: Children's Programming Odyssey, Stresa, Italy, Sept. 2001.

Invited Talks:

Gender HCI: What About the Software? – August 2006, Microsoft Research Cambridge, England.

Women@CS – June 2005, Cambridge University, Cambridge, England. (Presentation on Gender HCI)

CRA-W Graduate Cohort 2005 (February) – San Francisco, CA. (Presentation on Effective Communication) I was invited to this event for new graduate students as a senior graduate student to provide perspectives on communication's role in my success as a graduate student.

Leadership/Service

Mentoring:

High School Apprenticeships in Science and Engineering

Michelle Hastings

Summer 2004

Sienna Hiebert

Summer 2005

CRA-W Distributed Mentor Program

Ledah Casburn

Summer 2002

Aye Thuzar

Summer 2004

Other Service:

Graduate Representative on Faculty Hiring Committee

January 2005 – March 2005

VP CS Graduate Student Association

June 2001 – June 2002

Awards/Membership

Student scholarship to attend Grace Hopper in San Diego, CA, 2006

Upsilon Pi Epsilon (Computer Science honor society). Elected Spring 2004 at Oregon State University

Received Physics Department Award for exemplary senior in physics, 1998

Hellen Millard Baer Scholarship, given in memory of a chemistry professor and awarded to chemistry or other science student, 1997-1998

Received Physics Department Award for "Freshman Showing Promise," 1995