

Gabriela Marcu

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EDUCATION

Ph.D. in Human-Computer Interaction Carnegie Mellon University	expected 2015 Pittsburgh, PA
B.S. with Honors in Informatics University of California, Irvine	2009 Irvine, CA

HONORS AND AWARDS

2010 NSF Graduate Research Fellowship
Microsoft Research Graduate Women's Scholarship

2009 Carnegie Mellon School of Computer Science Barbara Lazarus Women@IT Fellowship
Phi Beta Kappa
Computing Research Association Outstanding Undergraduate Award Honorable Mention

2008 Google Anita Borg Scholarship
Association for Women and Technology (AWT) Woman of the Month Award
Undergraduate Research Opportunities Program Fellowship
Summer Undergraduate Research Program Fellowship

2007 Accenture Endowed Outstanding Junior Student Award
Association for Women and Technology (AWT) Student Award
U.C. Irvine Student Organization President of the Year Award Finalist

2006 Grace Hopper Celebration for Women in Computing Scholarship
Summer Undergraduate Research Fellowship in Information Technology

2005 U.C. Irvine Donald Bren Scholarship

EXPERIENCE

Carnegie Mellon University, Pittsburgh, PA
Graduate Researcher with Anind Dey and Sara Kiesler January 2011-Present
Studying the information needs of parents, teachers, and therapists of children with autism. Designing solutions for data collection, communication, and collaboration.

IT University of Copenhagen, Copenhagen, Denmark

Visiting Researcher with Jakob Bardram

August-December 2010

Using participatory design methods, worked with individuals seeking treatment for bipolar disorder and psychiatrists to design a mobile phone monitoring system to support the treatment of bipolar disorder.

Carnegie Mellon University, Pittsburgh, PA

Graduate Researcher with Jennifer Mankoff and Sara Kiesler

Sept 2009-June 2011

Studied the experiences of individuals with a chronic illness using interviews and surveys, with a focus on their use of a variety of online and offline resources.

University of California, Irvine, Irvine, CA

Research Assistant with Gillian Hayes

Jan 2008-Oct 2009

Designed and assessed technologies to support children with autism and their caregivers. Conducted ethnographic and deployment studies with children, parents, educators, and specialists. Also designed and evaluated a computer science and engineering course for middle school girls.

Microsoft Research, Cambridge, United Kingdom

Visiting Researcher with James Scott (and Gillian Hayes)

Jul 2008-Sept 2008

Investigated attitudes toward, and privacy-related concerns about, use of SenseCam, a wearable recording device. Compared cultural differences in reactions by collecting data in California, USA, Cambridge, United Kingdom, and Zurich, Switzerland.

University of California, Irvine, Irvine, CA

Research Assistant with Gloria Mark

Oct 2007-Apr 2008

Investigated how people integrate Web 2.0 technologies into their work, including taking breaks, getting distracted, and being productive.

StrataCare, Irvine, CA

Project Management Intern

Jul 2007-Mar 2008

Designed, implemented, and supported a corporate intranet site using Microsoft SharePoint 2007. Developed a wiki using MediaWiki to serve as a resource for and point of communication with company clients. Interviewed a variety of employees to explore technology needs and recommend and implement appropriate solutions. Wrote documentation, compiled and edited white papers, and completed other technical writing tasks.

CONFERENCE PAPERS (PEER-REVIEWED)

Bardram, J. E., Frost, M., Szanto, K., and **Marcu, G.** *The MONARCA Self-Assessment System – A Persuasive Personal Monitoring System for Bipolar Disorder*. In Proc IHI 2012. New York, NY. 2012.

Marcu, G., Bardram, J. E., Gabrielli, S. *A Framework for Overcoming Challenges in Designing Persuasive Monitoring Systems for Mental Illness*. In Proc Pervasive Health 2011. Dublin, Ireland. May 23-26, 2011. **[Best Paper Nomination]**

Marcu, G., Kaufman, S. J., Lee, J. K., Black, R. W., Dourish, P., Hayes, G. R., and Richardson, D. J. *Design and Evaluation of a Computer Science and Engineering Course for Middle School Girls*. In Proc SIGCSE 2010. Milwaukee, WI. Mar 10-13, 2010. 234-238. doi: 10.1145/1734263.1734344.

Hirano, S., Yeganyan, M., **Marcu, G.**, Nguyen, D. H., and Hayes, G. R. *vSked: Evaluation of a System to Support Classroom Activities for Children with Autism*. In Proc CHI 2010. Atlanta, GA. Apr 12-15, 2010. 1633-1642. doi: 10.1145/1753326.1753569.

Nguyen, D. H., **Marcu, G.**, Hayes, G. R., Truong, K. N., Scott, J., Langheinrich, M. and Roduner, C. *Encountering SenseCam: Personal Recording Technologies in Everyday Life*. In Proc Ubicomp 2009. Orlando, FL. Sept 30 - Oct 3, 2009. 165-174.

JOURNAL PAPERS (PEER-REVIEWED)

Hayes, G. R., Hirano, S., **Marcu, G.**, Monibi, M., Nguyen, D. H., and Yeganyan, M. *Interactive Visual Supports for Children with Autism*. Personal and Ubiquitous Computing. Apr 2010. doi: 10.1007/s00779-010-0294-8.

WORKSHOP AND SHORT PAPERS (PEER-REVIEWED)

Bardram, J. E., Frost, M., **Marcu, G.** *Perspectives on Infrastructural Challenges in Persuasive Personal Monitoring Systems*. 3rd International Workshop on Infrastructures for Healthcare: Global Health. Copenhagen, Denmark. Jun 2011.

Marcu, G., and Bardram, J. *MONARCA: A Persuasive Personal Monitoring System to Support Management of Bipolar Disorder*. 2nd International Workshop on Persuasion, Influence, Nudge & Coercion through mobile devices. Vancouver, Canada. May 2011.

Gabrielli, S., **Marcu, G.**, Mayora, O., Bardram, J. E. *Co-Designing Personal HealthCare Solutions for the Treatment of Bipolar Disorder*. NordiCHI 2010 Workshop on Therapeutic Strategies - a Challenge for User Involvement in Design. Reykjavik, Iceland. Oct 17, 2010.

Pierce, J., Fan, C., Lomas, D., **Marcu, G.**, and Paulos, E. *Some Consideration on the (In)effectiveness of Residential Energy Feedback Systems*. (Short paper) In Proc DIS 2010, Aarhus, Denmark. Aug 16-20, 2010. 244-247.

Marcu, G. and Hayes, G. R. *Use of a Wearable Recording Device in Therapeutic Interventions for Children with Autism*. In Proc Workshop on Interactive Systems in Healthcare (WISH). Atlanta, GA. Apr 10-11, 2010.

POSTERS AND DEMOS (PEER-REVIEWED)

Marcu, G., Bardram, J. E., Faurholt-Jepsen, M., Vinberg, M., Kessing, L. V. *MONARCA: A Mobile Phone Monitoring System to Support Episode Detection and Prevention in Bipolar Disorder Pa-*

tients. Poster Abstracts. *Bipolar Disorders*, 13: 27–107. Poster presented at 9th International Conference on Bipolar Disorder. Pittsburgh, PA. Jun 2011.

Frost, M., **Marcu, G.**, Hansen, R., Szaánto, K., Bardram, J. E. *The MONARCA Self-Assessment System*. (Demo) In Proc Pervasive Health 2011. Dublin, Ireland. May 23-26, 2011. **[Best Demo Award]**

Marcu, G. and Hayes, G. R. *Use of SenseCam in Therapeutic Interventions for Children with Autism*. Poster presented at SenseCam Symposium. Chicago, IL. Oct 2009.

Marcu, G., Nguyen, D. H., and Hayes, G. R. *Use of a Wearable Recording Device in Therapeutic Interventions for Children with Autism*. Poster presented at International Meeting for Autism Research. Chicago, IL. May 2009.

Marcu, G., Nguyen, D. H., and Hayes, G. R. *Reactions to the Use of Wearable Recording Technology for Aiding People with Memory Impairments*. Poster presented at Grace Hopper Celebration for Women in Computing, as part of the ACM Student Research Competition. Keystone, CO. Oct 2008.

SERVICE

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| 2012 | <i>Student Volunteer Chair</i>
International Conference on Ubiquitous Computing (UbiComp)

<i>Organizing Committee</i>
Global Service Jam Pittsburgh |
| 2011 | <i>Lead Student Coordinator</i>
PhD Program Recruitment Open House, Human-Computer Interaction Institute

<i>Student Volunteer</i>
Conference on Human Factors in Computing Systems (CHI) |
| 2009-2010 | <i>Coordinator</i>
Grad Women's Mentoring Program, CMU School of Computer Science |
| 2007-2009 | <i>Student Ambassador</i>
UCI Bren School of Information and Computer Sciences |
| 2008 | <i>Student Volunteer</i>
International Conference on Ubiquitous Computing (UbiComp) |
| 2005-2008 | <i>Founder, President, Advisor</i>
Informatics Student Association at UCI |
| 2006-2007 | <i>Member</i>
UCI Computer Science Student Outreach, Access, and Retention Committee |
| 2005-2007 | <i>Vice President, Publicist</i>
Women in Information and Computer Sciences at UCI |

OUTREACH

- 2009-present *Speaker*
CMU Women@SCS Outreach Roadshow
- 2011 *Team Member*
NCWIT Pacesetters Program, CMU Team
- 2011 *Organizer*
Opportunities for Undergraduate Research in CS (OurCS) Workshop
- 2010 *Exhibitor*
American Association for the Advancement of Science (AAAS) Family Science Days
- 2008 *Program Coordinator*
Project Tomorrow (nonprofit organization for STEM education)
- 2006-2007 *Volunteer*
Sally Ride Science Festival for Girls
- 2005-2006 *Volunteer*
Association for Women and Technology (AWT) Girl Scouts Workshops

VOLUNTEERING

- 2012-present *Gallery Ambassador*
Carnegie Museum of Art, Pittsburgh
- 2011-present *Hotline Volunteer*
Pittsburgh Action Against Rape