

ANDREA FORTE | CURRICULUM VITAE

Ph.D. Candidate, Human-Centered Computing
School of Interactive Computing
Georgia Institute of Technology
aforte@cc.gatech.edu

EDUCATION

- Expected
May 2009 **PhD, Human-Centered Computing**
Georgia Institute of Technology
School of Interactive Computing
Areas: Learning Sciences and Technology; Social Computing
- Thesis Topic: Wikis in the Classroom: Learning with Social Information Technologies
- Advisor: Amy Bruckman
Committee: Janet Kolodner, Mark Guzdial, Beki Grinter (Georgia Tech); Jonathan Grudin (Microsoft Research)
- 1998 **MLIS, Library and Information Science**
University of Texas at Austin
Graduate School of Library and Information Science (now School of Information)
- 1996 **BA, Foreign Language and Literature (German)**
Western Michigan University
Minor in Philosophy

HONORS & AWARDS

- 2008 **Microsoft Research Social Computing Symposium**
Microsoft Research, Redmond, WA
Invitation-only conference for individuals in the field of social computing.
- 2008 **Research Institute for the Science of Socio-Technical Systems (CSST)**
Ann Arbor, MI
Highly competitive, NSF-sponsored research institute.
- 2003-2007
(renewed 4x) **ARCS Fellowship**
ARCS Foundation (Achievement Rewards for College Scientists)
Annual scholarship for graduate students in the sciences.
- 1997-1998
(renewed 1x) **Academic Competitive Scholarship**
University of Texas at Austin, Graduate School of Library and Information Science
- 1996 **Academic Travel Awards and Scholarships**
Western Michigan University, Kalamazoo, MI

RESEARCH GRANTS

- 2005-2009 **Science Online: Learning Through Collaborative Writing of an Open-Content Scientific Encyclopedia**
National Science Foundation, Educational Research Initiative Grant, #0512213, \$333,812
PI: Amy Bruckman (co-authored grant with PI)
- 2004 **Students as Authors of History: Using the Internet to Increase Student Motivation and Critical Thinking in the Class American Government**
GVU Center Seed Grant, 2004
PIs: Amy Bruckman, Richard Barke, Andrea Forte

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BOOK CHAPTERS

- 2007 Bruckman, Amy, Alisa Bandlow and Andrea Forte. (2007). "HCI For Kids." In *The Human-Computer Interaction Handbook*. Edited by Julie Jacko and Andrew Sears, 2nd Ed. NJ: Lawrence Erlbaum Associates.
Reprinted as:
Bruckman, Amy, Alisa Bandlow and Andrea Forte. (2009). "HCI For Kids." In *Human-Computer Interaction: Designing for Diverse Users and Domains*. Edited by Andrew Sears and Julie Jacko, CRC Press.

JOURNAL PUBLICATIONS

- 2009 Forte, Andrea, Vanessa Larco and Amy Bruckman. (2009) "Decentralization in Wikipedia Governance" *Journal of Management Information Systems*. *Forthcoming*.
- 2005 Forte, Andrea and Mark Guzdial. (2005) "Motivation and non-majors in CS1: Identifying discrete audiences for introductory computer science." *IEEE Transactions on Education*, 48(2) pp 248-253.

PEER-REVIEWED CONFERENCE PUBLICATIONS (FULL PAPERS)

- 2008 Forte, Andrea and Amy Bruckman. (2008) "Scaling consensus: increasing decentralization in Wikipedia governance" *Proceedings of Hawaiian International Conference of Systems Sciences (HICSS)*, Waikoloa Village, HI. (Social Spaces Track: 38% acceptance rate)
- 2007 Forte, Andrea and Amy Bruckman. (2007) "Constructing text: wiki as a toolkit for (collaborative?) learning." *Proceedings of International Symposium on Wikis (WikiSym)*, Montréal, Canada, pp 31-42. (acceptance rate unknown)
- 2006 Forte, Andrea and Amy Bruckman. (2006) "From Wikipedia to the classroom: exploring online publication and learning" *Proceedings of the International Conference of the Learning Sciences*, Bloomington, IN. (46% acceptance rate)
- 2005 Bryant, Susan, Andrea Forte and Amy Bruckman. (2005) "Becoming Wikipedian: transformation of participation in a collaborative online encyclopedia" *Proceedings of GROUP: International Conference on Supporting Group Work*, Sanibel Island, FL. pp 1-10. (26% acceptance rate)
- 2005 Guzdial, Mark and Andrea Forte. (2005) "Design process for a non-majors computing course." *Proceedings of the 36th SIGCSE technical symposium on computer science education*. St. Louis, Missouri. pp 361-365. (32% acceptance rate)
- 2004 Forte, Andrea and Mark Guzdial. (2004) "Computers for communication, not calculation: media as a motivation and context for learning." *Proceedings of the 37th Annual Hawaii International Conference on System Sciences (HICSS'04)*. (acceptance rate unknown)

PEER-REVIEWED POSTERS and SHORT PAPERS

- 2008 Forte, Andrea and Amy Bruckman. (2008) "Learning information literacy in the age of Wikipedia" in Symposium on Learning and Research in the Web 2 Era: New Opportunities for Research (James Slotta, organizer) *Proceedings of the International Conference of the Learning Sciences*, Utrecht, NL.
- 2006 Hewitt, Anne and Andrea Forte. (2006). "Crossing boundaries: identity management and student/faculty relationships on the Facebook." Poster/Extended Abstract. *Computer Supported Cooperative Work (CSCW)*, Banff, Canada.

PEER-REVIEWED PRESENTATIONS WITHOUT PROCEEDINGS

- 2009 *Science Online: Learning by Constructing a Public Science Resource*. Symposium on new technology supports for authentic science inquiry, practice, and assessment in the classroom. James Slotta, Organizer. American Educational Research Association Annual Meeting, San Diego, CA, 2009.
- 2008 *Interviewing as a Phenomenological Approach to Wiki Research: A Brief Introduction*. WikiSym Workshop on Interdisciplinary Research on Wikipedia and Wiki Communities, 2008.
- 2008 *A wiki of my very own: the challenge of designing to support collaboration in formal education*. Human-Computer Interaction Consortium (HCIC), Fraser, CO, 2008.
- 2006 *Wiki uses in teaching and learning*. Panel. WikiSym, Odense, Denmark, 2006.

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- 2005 *Why do people write for Wikipedia? Incentives to contribute to open-content publishing.* GROUP workshop: Sustaining community: The role and design of incentive mechanisms in online systems, Sanibel Island, FL, 2005.
- 2005 *Self and school: nurturing students' identities as science writers using wikis.* Refereed symposium "Networked technologies for fostering positive youth development," with Marina Bers, Sasha Barab, Sandra Calvert, and Joseph Gonzalez-Heydrich. American Psychological Association. Washington, DC, August 2005.

OTHER PUBLICATIONS

- 2009 Forte, Andrea. (In Press). "Review of 'Digital Media, Youth, and Credibility' by Miriam Metzger and Andrew Flanagin (eds)" *Information, Communication & Society*.

DOCTORAL CONSORTIA

- 2006 "Science Online: exploring writing as social practice in online knowledge building communities." Doctoral Consortium, International Conference of the Learning Sciences (ICLS), 2006, Bloomington, IN.
- 2006 "Connecting the design of collaborative writing tools with writers' practices and epistemological beliefs." Doctoral Colloquium, Computer-Supported Collaborative Work (CSCW), 2006, Banff, Canada.
- 2003 "Programming for communication: overcoming motivational barriers to computation for all." Graduate Student Event. *Proceedings of IEEE Symposia on Human-Centered Computing Languages and Environments, 2003.* Auckland, New Zealand. pp 285-286.

INVITED TALKS

- 2007 *Social implications of user-generated content: learning to assess information in a read/write world.* Symposium on User-Generated Content: The Legal and Business Implications of Web 2.0, Vanderbilt University, 2007.

OTHER PRESENTATIONS

- 2008 *Science Online: exploring the role of students in OER.* Poster. Open Learning Interplay Symposium, Carnegie Mellon University, 2008.
- 2007 *Under 18: blogs, wikis and social networking sites for youth.* SXSW Interactive Festival Panel, Austin TX, 2007.
- 2007 *Wikis in the science classroom.* Georgia Science Teachers Association Annual Conference, Athens, GA, 2007.
- 2006 *Students as knowledge builders: wikis in the classroom.* Gvu Center Brown Bag Series, Georgia Institute of Technology, 2006.
- 2006 *Wikis in the classroom: challenging our assumptions about students and knowledge.* GameScapes Symposium on New Media, Virtual Environments and Learning, Georgia Institute of Technology, 2006.
- 2006 *Empowering students: wikis as a revolutionary force in education.* Wikimania, Cambridge, MA, 2006.
- 2006 *Designing technologies that change people (Boaster).* Human Computer Interaction Consortium (HCIC), Fraser, CO, 2006.
- 2004 *Technology to support history learning.* Georgia Council of the Social Studies Annual Conference, Athens, GA, 2004.
- 2003 *Media as a Context for Learning Computation.* Gvu Center Brown Bag Series, Georgia Institute of Technology, 2003.

PRESS

- 2008 "Exploring governance in the world of open source" *Open Source Magazine*, August 27, 2008. By James Irwin.
- 2006 "Facebook feature draws privacy concerns" *Associated Press*, Sept 7th, 2006. By Anick Jesdanun
- 2006 "A new high-tech take on school group projects" *Boston Globe*, August 4, 2006. By Kim-Mai Cutler

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PROFESSIONAL SERVICE ACTIVITIES

Conference Committee:

Workshops and Panels Chair, International Symposium on Wikis (WikiSym) '08
Publicity Chair, International Symposium on Wikis (WikiSym) '07

Program Committee:

ACM Conference on Hypertext, Hypertext and Community Track, '09
International Symposium on Wikis (WikiSym) '08; '09
ACM Conference on Groupwork (GROUP) '07
Wikimedia Foundation Conference (Wikimania) '06

Conference Reviewer:

ACM Conference on Computer Supported Cooperative Work (CSCW) '06, '08
ACM Conference on Human Factors in Computing Systems (CHI) '04, '05, '06, '07, '08, '09
International Symposium on Wikis (WikiSym) '06, '07, '08
Computer Supported Collaborative Learning (CSCL) '05
Hawaiian International Conference on Systems Sciences (HICSS) '07, '08, '09
International Conference on Communities and Technologies '05
International Conference of the Learning Sciences (ICLS) '04, '06, '08
International Conference on Open Source Systems (OSS) '09
International Conference on Ubiquitous Computing (UbiComp) '07
International Conference on Web Information Systems and Technologies (WEBIST) '08

Journal Reviewer:

Communications of the Association for Computing Machinery (CACM)
Journal of the Learning Sciences
Interactive Learning Environments
Journal of Computer-Supported Collaborative Learning
Journal of Computer-Supported Collaborative Work
Games and Culture

Book Reviewer, MIT Press

Committee to Assess the Evaluation of Teaching in the College of Computing, Georgia Institute of Technology, '03

TEACHING EXPERIENCE

2004 **Instructor**, Introduction to Educational Technology (CS 4660), Georgia Institute of Technology

2008 **Teaching Assistant**, Design of Online Communities (CS4303), Instructor: Amy Bruckman, Georgia Institute of Technology

2006 **Teaching Assistant**, Human-Centered Computing, Instructor: Beth Mynatt, Georgia Institute of Technology

2005 **Teaching Assistant**, Introduction to Educational Technology (CS 4660), Instructor: Amy Bruckman, Georgia Institute of Technology

1998-1999 **Teaching Assistant**, Information in Cyberspace (LIS 312), Instructor: Heiko Haubitz, University of Texas at Austin

1996 **Peer Tutor**, Athletic Department, Western Michigan University

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STUDENTS SUPERVISED/CO-ADVISED

Jordan Patton, MS HCI, Masters Research Project, Spring – Fall 2008

Project: Deviant Behavior in Wikipedia

Achille Brighton, BS in Computer Science, Undergraduate Research, Fall 2008

Project: Where does the Information in Wikipedia Come From? An Analysis of Citations in Wikipedia

Vanessa Larco, BS in Computer Science, Undergraduate Research, Summer 2008

Project: WikiProjects: Local Government in Wikipedia

Christopher Jordan, BS in Computer Science, Full-time Developer, Summer 2008

Project: Provelt!: A Tool to Support Citation among Wikipedia Editors

Scott Ehardt, BS in Computer Science, Part-time Developer, Summer 2007

Project: Extending MediaWiki to Support Citation and Classroom Use

Alex Dodson, BS in Computer Science, Undergraduate Research, Spring 2007

Project: Student and Faculty Relationships in Facebook

Anne Hewitt, BS in Computer Science, Undergraduate Research, Fall 2005 – Spring 2007

Project: Student and Faculty Relationships in Facebook

Vigneshwar Kalyanasundaram, BS in Computer Science, Fall 2006

Amruta Lonkar, MS HCI, Masters Research Project, Fall 2005 – Spring 2006

Project: Extending MediaWiki to Support Citation and Classroom Use

Susan Bryant, MS HCI, Masters Research Project, Spring 2004 – Fall 2004

Project: Transformation of Participation in an Online Encyclopedia

RESEARCH & PROFESSIONAL EXPERIENCE

2004-2009

Graduate Research Assistant

Georgia Institute of Technology, School of Interactive Computing

Advisor: Amy Bruckman

Investigating social practices and learning in online knowledge building communities.

Responsibilities included: coauthoring grant proposals, software design and development, study and research instrument design, data collection and analysis, paper writing, supervising and coadvising students.

2005-2007

Intel Opportunity Scholars Mentor

Georgia Institute of Technology, College of Computing

Advised undergraduate student researchers in a multi-year research project investigating the impact of social networking sites on relationships among students and faculty.

2004

Instructor, Introduction to Educational Technology

Georgia Institute of Technology, School of Interactive Computing

Developed syllabus for project-based course on basic educational theory and the design of educational technology. Designed and assessed assignments and exams, created and delivered a series of lectures, and guided student groups through the process of developing an educational technology project. Managed a graduate teaching assistant.

2002-2004

Graduate Research Assistant

Georgia Institute of Technology, School of Interactive Computing

Advisor: Mark Guzdial

Assisted in the development and evaluation of a new approach to introductory computer science called Media Computation.

Responsibilities included: coauthoring grant proposals, supervising other research assistants, research instrument design, data collection and analysis, paper writing, heuristic usability evaluation of new student programming environment.

2001-2002

Web Designer

Freelance

Clients: Michigan Virtual University, Lectures Online, Ucompass.com, Inc., Spiraco, Inc., Texas Environmental Center, AO Design

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- 2000-2001 **Interaction Designer**
Spiraco, Inc.
Analyzed goals and information needs of diverse user groups, created user-centered interaction models, architected navigation structures and screen layouts for web-based applications; constructed low-fi prototypes to communicate with various stakeholders, authored design documentation, performed cognitive walkthroughs and heuristic usability evaluations.
- 1999-2000 **Communication Specialist**
Texas Taxpayers and Research Association
Designed and maintained company website, authored and edited web content, planned, created and launched several new online and in-house information services, managed corporate library and archives.

SELECTED VOLUNTEER EXPERIENCE

- 2002-2003 **Youth Mentor**
Intel Computer Clubhouse
Provided technical support and guidance to young people age (10-18) in creatively using technology to explore their interests (i.e. music making, animation, video editing, web development, game development, etc).
- 2000-2001 **Adult Literacy Tutor**
Literacy Austin
Developed student-centered lesson plans and instructional materials, conducted lessons, assessed and documented student progress.
- 1998 **Volunteer Library Assistant**
Peridier Astronomy Library, University of Texas at Austin
Assisted in all areas of running a specialized academic library.
- 1995-1996 **ESL Peer Tutor**
International Services and Student Affairs, Western Michigan University
Met weekly with ESL students to practice conversational English language skills and review coursework.

GRADUATE COURSES

Georgia Institute of Technology
Design of Online Communities
Prototyping Interactive Systems
Human-Centered Computing
Foundations of Educational Technology
Computer Supported Collaborative Learning
Human Computer Interaction
Computability and Algorithms
Introduction to Cognitive Science (audited)
Foundations of Sociological Theory (seminar)

University of Texas at Austin
Instructional Systems Design
Information Networks
Federal Information Policy
Research Methods
Online Information Resources
Administration of Information Agencies
Artificial Intelligence and Expert Systems
Information Resources and Services
Collection Development
Organization of Materials