

Andrea Forte

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

EDUCATION

Degree	Year	University	Area
PhD	Anticipated 2009	Georgia Institute of Technology, College of Computing	Human-Centered Computing Thesis Topic: Collaborative Environments that Support Media Literacy Learning Advisor: Amy Bruckman Committee: Beki Grinter, Mark Guzdial, and Janet Kolodner (Georgia Institute of Technology); Jonathan Grudin (Microsoft Research)
MLIS	1998	University of Texas at Austin, Graduate School of Library and Information Science	Library and Information Science
BA	1996	Western Michigan University	Foreign Languages and Literature (German); Philosophy
	1994-95	University of Passau, Germany	German Language and Literature

AWARDS & HONORS

Award	Year	Organization
ARCS Fellowship	2003, 2004, 2005, 2006, 2007	ARCS Foundation (Achievement Rewards for College Scientists)
Academic Competitive Scholarship	1997, 1998	University of Texas at Austin, Graduate School of Library and Information Science
Hermann E. Rothfuss Award for Excellence in German	1996	Western Michigan University
German Universities Exchange Scholarship	1994	Western Michigan University
President's Grant for Study Abroad	1994	Western Michigan University

BOOK CHAPTERS

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.

JOURNAL PUBLICATIONS

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)

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) To appear in *Proceedings of the International Conference of the Learning Sciences*, Utrecht, NL.

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)

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.

- 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)
- 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)
- 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)
- 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)*.

PEER-REVIEWED POSTERS

- 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

- A wiki of my very own: the challenge of designing to support collaboration in formal education*. Human-Computer Interaction Consortium (HCIC) 2008, Fraser, CO.
- Wiki uses in teaching and learning*. Panel. WikiSym 2006, Odense, Denmark.
- 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, 2005.
- Self and school: nurturing students' identities as science writers using wikis*. American Psychological Association, 113th Annual Conference, 2005.

DOCTORAL CONSORTIA

- Research Institute for the Science of Socio-Technical Systems (CSST), 2008, Ann Arbor, MI.
- "Science Online: exploring writing as social practice in online knowledge building communities." Doctoral Consortium, International Conference of the Learning Sciences (ICLS), 2006, Bloomington, IN.
- "Connecting the design of collaborative writing tools with writers' practices and epistemological beliefs." Doctoral Colloquium, Computer-Supported Collaborative Work (CSCW), 2006, Banff, Canada.
- "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

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

OTHER PRESENTATIONS

- Science Online: exploring the role of students in OER*. Poster. Open Learning Interplay Symposium, Carnegie Mellon University, 2008.
- Under 18: blogs, wikis and social networking sites for youth*. SXSW Interactive Festival Panel, Austin TX, 2007.
- Wikis in the science classroom*. Georgia Science Teachers Association Annual Conference, Athens, GA, 2007.
- 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.
- Empowering students: wikis as a revolutionary force in education*. Wikimania, Cambridge, MA, 2006.
- Designing technologies that change people* (Boaster). Human Computer Interaction Consortium (HCIC), 2006.
- Technology to support history learning*. Georgia Council of the Social Studies Annual Conference, Athens, GA, 2004.

RESEARCH GRANTS

- Science Online: Learning Through Collaborative Writing of an Open-Content Scientific Encyclopedia*
National Science Foundation, Educational Research Initiative Grant, 2005 (#0512213).
PI: Amy Bruckman (co-authored proposal with PI)

- Students as Authors of History: Using the Internet to Increase Student Motivation and Critical Thought in the Class American Government*
GVU Center Seed Grant, 2004
PIs: Amy Bruckman, Richard Barke, Andrea Forte

SERVICE ACTIVITIES

Program Committee:

International Symposium on Wikis (WikiSym) '08
ACM Conference on Groupwork (GROUP) '07
Wikimedia Foundation Conference (Wikimania) '06

Conference Committee:

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

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
ACM International Symposium on Wikis (WikiSym) '06
Computer Supported Collaborative Learning (CSCL) '05
Hawaiian International Conference on Systems Sciences (HICSS) '07, '08
International Conference on Communities and Technologies '05
International Conference of the Learning Sciences (ICLS) '04, '06, '08
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

Teaching Assistant, Spring 2008, Design of Online Communities (CS4303), Georgia Institute of Technology
Teaching Assistant, Fall 2005, Introduction to Educational Technology (CS 4660), Georgia Institute of Technology
Instructor, Fall 2004, Introduction to Educational Technology (CS 4660), Georgia Institute of Technology
Teaching Assistant, Spring 1999, Information in Cyberspace (LIS 312), University of Texas at Austin
Teaching Assistant, Fall 1998, Information in Cyberspace (LIS 312), University of Texas at Austin
Peer Tutor, Spring 1996, Athletic Department, Western Michigan University

STUDENTS SUPERVISED/CO-ADVISED

Vanessa Larco, BS in Computer Science, Undergraduate Research, Summer 2008
Christopher Jordan, BS in Computer Science, Full-time Developer, Summer 2008
Jordan Patton, MS HCI, Masters Research Project, Spring – Fall 2008
Scott Ehardt, BS in Computer Science, Part-time Developer, Summer 2007
Alex Dodson, BS in Computer Science, Undergraduate Research, Spring 2007
Anne Hewitt, BS in Computer Science, Undergraduate Research, Fall 2005 – Spring 2007
Vigneshwar Kalyanasundaram, BS in Computer Science, Fall 2006
Amruta Lonkar, MS HCI, Masters Research Project, Fall 2005 – Spring 2006
Susan Bryant, MS HCI, Masters Research Project, Spring 2004 – Fall 2004

RESEARCH & PROFESSIONAL EXPERIENCE

Position	Year	Organization	Description
Graduate Research Assistant	Aug. 2002 - present	Georgia Institute of Technology, College of Computing	<p>With advisor Amy Bruckman (current): We are investigating social practices and learning in online knowledge building communities.</p> <ul style="list-style-type: none"> • Grant proposal writing. • Software design and development. • Study and research instrument design. • Co-advising undergraduate and Masters students. <p>With advisor Mark Guzdial: Assisted in the development and evaluation of a new approach to introductory computer science called Media Computation.</p> <ul style="list-style-type: none"> • Grant proposal writing. • Supervised undergraduate assistants. • Study and research instrument design. • Data collection/analysis and paper writing. • Heuristic usability evaluation of new student programming environment.
Intel Opportunity Scholars Mentor	Oct. 2005- Sept. 2007	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.
Freelance Information Architect	Jun. 2001 - Aug. 2002	Clients: <ul style="list-style-type: none"> • Michigan Virtual University/U. of Mich. • Lectures Online • Ucompass.com, Inc. • Spiraco, Inc. • Texas Environmental Center • AO Design 	<ul style="list-style-type: none"> • Performed user/task analysis and authored design documentation. • Developed site architectures and visual designs. • Produced HTML, CSS, PHP, databases, and graphical elements for Web sites and CD-ROM. • Developed content for electronic and print media.
Interaction Designer	Mar. 2000 - Aug. 2001	Spiraco, Inc.	<ul style="list-style-type: none"> • Analyzed goals and information needs of diverse user groups; created user-centered data 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 tests. • Met with clients, software developers and other designers to corroborate project direction; presented design solutions.
Communication Specialist	Feb. 1999 - Mar. 2000	Texas Taxpayers and Research Association	<ul style="list-style-type: none"> • 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.
Graduate Teaching Assistant	Jan. 1998 - Jan. 1999	University of Texas at Austin, Graduate School of Library/Info. Science	<ul style="list-style-type: none"> • Class: Information in Cyberspace (HTML, graphic design, Web research strategies)

VOLUNTEER EXPERIENCE

Position	Year	Organization	Description
Youth Mentor	Sept. 2002 - Mar. 2003	Intel Computer Clubhouse	<ul style="list-style-type: none">• 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).
Literacy/ESL Instructor	Jan. 2000 - Jan 2001	Literacy Austin	<ul style="list-style-type: none">• Developed student-centered lesson plans and instructional materials.• Conducted lessons in a one-on-one setting.• Assessed and documented student progress.
Library Assistant	Sept. 1997 - May 1998	Peridier Astronomy Library	<ul style="list-style-type: none">• Created original catalog records for scientific materials.• Assisted with circulation, record-keeping, and other general administrative and service library activities.
ESL Peer Tutor	Sept 1995 – May 1996	International Services and Student Affairs, Western Michigan University	<ul style="list-style-type: none">• Met weekly with ESL students to practice conversational English language skills and review coursework.
Discussion Group Coordinator	Sept 1995 – May 1996	Office of International Affairs, Western Michigan University	<ul style="list-style-type: none">• Coordinated student discussion group series on international affairs, including arranging for international speakers and promotion.

SELECTED GRADUATE COURSES

Georgia Institute of Technology

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

REFERENCES

Advisor:

Amy Bruckman, Associate Professor
College of Computing, Georgia Institute of Technology
Technology Square Research Building
85 5th Street
Atlanta, GA, 30332-0760
asb@cc.gatech.edu

Previous advisor:

Mark Guzdial, Professor
College of Computing, Georgia Institute of Technology
Technology Square Research Building
85 5th Street
Atlanta, GA, 30332-0760
guzdial@cc.gatech.edu