

# ANDREA GRIMES PARKER

(Please note that my publications through 2010 are under the name Andrea Grimes.)

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## EDUCATION

Georgia Institute of Technology, Atlanta, GA

College of Computing

Ph.D. in Human Centered Computing, 2011

*Thesis Title:* A Cultural, Community-Based Approach to Health Technology Design

*Thesis Advisor:* Dr. Rebecca E. Grinter

*Committee:* Drs. Amy Bruckman, Jim Foley, Elizabeth Mynatt, Mary Czerwinski (Microsoft Research) and Phoebe Sengers (Cornell University)

Northeastern University, Boston, MA

College of Computer and Information Science, Honors Program

B.S. in Computer Science, Summa Cum Laude, 2005

## RESEARCH INTERESTS

My research contributes to the fields of **Human Computer Interaction (HCI)**, **Computer Supported Cooperative Work (CSCW)** and **Health Informatics**. My work is further informed by methods, theory and empirical findings from the fields of public health, sociology, and health communication. The main focus of my research is designing and evaluating the impact of software tools that help people move towards improved health and wellness. Within this space, two themes that I study are ethnic, racial and economic health disparities and the social context of health management.

## EMPLOYMENT

NORTHEASTERN UNIVERSITY, Boston, MA	1/13 - Present
Assistant Professor - College of Computer & Information Science, College of Health Sciences	
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA	8/11-9/12
Postdoctoral Fellow - College of Computing, Everyday Computing Lab	
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA	8/05 – 7/11
Graduate Research Assistant - College of Computing, Work2Play Lab	
MICROSOFT RESEARCH, Redmond, WA	5/08-8/08
Summer Research Intern - Collaborative User Experiences Group	
MICROSOFT RESEARCH, Cambridge, UK	5/07-8/07
Summer Research Intern - Socio-Digital Systems Group	
MICROSOFT RESEARCH, Redmond, WA	5/06-8/06
Summer Research Intern - Community Technologies Group	
NORTHEASTERN UNIVERSITY, Boston, MA	2004 - 2005
Undergraduate Research Assistant - College of Computer & Information Science, HCI Lab	

## EMPLOYMENT CONT.

CITIGROUP GLOBAL MARKETS, INC., Boston, MA Software Development Intern, Citigroup Advanced Placement Program	2003 - 2004
NORTHEASTERN UNIVERSITY, Boston, MA Undergraduate Research Assistant - College of Computer & Information Science, Biological Knowledge Laboratory	2002 - 2003
KAISER PERMANENTE, San Jose, CA Information Technology Intern	2001, 2002
NORTHEASTERN UNIVERSITY, Boston, MA Undergraduate Research Assistant - College of Computer & Information Science	2000 - 2001

## TEACHING EXPERIENCE

NORTHEASTERN UNIVERSITY, Boston, MA Instructor, CS5340 Computer-Human Interaction	2013
NORTHEASTERN UNIVERSITY, Boston, MA Co-Facilitator, Personal Health Informatics Practicum	2013
NORTHEASTERN UNIVERSITY, Boston, MA Invited Lecture, PHTH1260 Dimensions of the American Health Care System	2013
NORTHEASTERN UNIVERSITY, Boston, MA Invited Lecture, PHTH 5230 Global Health	2013
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA Invited Lecture & Course Assistance, CS4001 Computers & Society	2011
EMORY UNIVERSITY, Atlanta, GA Invited Lecture, ANT339 Defining Health: Biocultural Perspective	2010
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA FACES Teaching Practicum, CS6455 Qualitative Research Methods	2009

## BOOK CHAPTER

[B.1] **A. Grimes** (2010). Sharing Personal Reflections on Health Locally. *Shared Encounters: Content Sharing as Social Glue in Public Places*, Springer Press.

## JOURNAL ARTICLES

[J.2] **A.G. Parker** & R.E. Grinter (2013). "Collectivistic Health Promotion Tools: Accounting for the Relationship Between Culture, Food and Nutrition," *International Journal of Human-Computer Studies*.

[J.1] **A.G. Parker**, R. Harper & R.E. Grinter (2011). "Celebratory Health Technology," *Journal of Diabetes Science & Technology*.

## RIGOROUSLY PEER-REVIEWED CONFERENCE PAPERS CONT.

[C.13] **A. G. Parker**, I. McClendon, C. Grevet, V. Ayo, W. Chung, and E. Mynatt (2013). I am What I Eat: Identity & Critical Thinking in an Online Health Forum for Kids. In *Proc. of CHI 2013*. [20% acceptance rate].

[C.12] **A. G. Parker**, V. Kantroo, H. Lee, M. Osornio, M. Sharma, and R.E. Grinter (2012). Health Promotion as Activism: Building Community Capacity to Effect Social Change. In *Proc. of CHI 2012*. [23% acceptance rate]  
> **HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)**

[C.11] **A. Grimes**, V. Kantroo and R.E. Grinter (2010). Let's Play! Mobile Health Games for Adults. In *Proc. of UBICOMP 2010*. [19% acceptance rate]

[C.10] **A. Grimes**, B. Landry and R.E. Grinter (2010). Characteristics of Shared Health Reflections in a Local Community. In *Proc. of CSCW 2010*. [20% acceptance rate]

[C.9] **A. Grimes**, D.S. Tan and D. Morris (2009). Technological Support for Family Reflections on Health. In *Proc. of GROUP 2009*. [36% acceptance rate]

[C.8] **A. Grimes**, M. Bednar, J.D. Bolter, and R.E. Grinter (2008). EatWell: Sharing Nutrition-Related Memories in a Low-Income Community. In *Proc. of CSCW 2008*. [23% acceptance rate]  
> **HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)**

[C.7] **A. Grimes** and R. Harper (2008). Celebratory Technology: New Directions for Food Research in HCI. In *Proc. of CHI 2008*. [22% acceptance rate]  
> **HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)**

[C.6] **A. Grimes** and A.J. Brush (2008). Life Scheduling to Support Multiple Social Roles. In *Proc. of CHI 2008*. [22% acceptance rate]

[C.5] **A. Grimes** and R.E. Grinter (2007). Designing Persuasion: Health Technology for Low-Income African American Communities. In *Proc. of Persuasive Technology 2007*.

[C.4] **A. Grimes** and P. Tarasewich (2005). Investigating Privacy-Augmented Displays for Mobile Devices. In *Proc. of HCI International 2005*.

[C.3] **A. Grimes** and R.P. Futrelle (2003). Text visualization for natural language analysis of Biology full text. In *Proc. of CSB'03*.

[C.2] R.P. Futrelle, **A. Grimes** and Mingyan Shao (2003). Extracting structure from HTML documents for language visualization and analysis. In *Proc. of WDA-2003*.

[C.1] R.P. Futrelle, M. Shao, C. Cieslik and **A. Grimes** (2003). Extraction, layout analysis and classification of diagrams in PDF documents. In *Proc. of ICDAR-2003*.

## THESIS

**A.G. Parker** (2011). A Cultural, Community-Based Approach To Health Technology Design. College of Computing, Georgia Institute of Technology.

## MAGAZINE ARTICLES

[M.4] **A. G. Parker** (2013). Designing for Health Activism. *ACM Interactions Magazine*.

## MAGAZINE ARTICLES CONT.

[M.3] M. Reddy, L. Mamykina and **A. G. Parker** (2012). Designing interactive systems in healthcare: a report on WISH 2011. *ACM Interactions Magazine*.

[M.2] R.E. Grinter, K.A. Siek and **A. Grimes** (2010). Is Wellness Informatics a Field of Human-Centered Health Informatics? *ACM Interactions Magazine*.

[M.1] G.R. Hayes, E.S. Poole, G. Iachello, S.N. Patel, **A. Grimes**, G.D. Abowd, K.N. Truong (2007). Physical, Social, and Experiential Knowledge of Privacy and Security in a Pervasive Computing Environment. *IEEE Pervasive Computing Special Issue on Security & Privacy*.

## DOCTORAL CONSORTIUM

[D.1] **A. Grimes** (2008). Socio-Culturally Relevant Mobile Applications for Nutrition. *Extended Abstracts, Proc. of CSCW 2008*.

## POSTERS & WORKSHOP PAPERS

[W.4] **A. Grimes** and R.E. Grinter (2010). "Playing games and telling stories: Implications for technologies that address African American health disparities." Poster presented at the 138th American Public Health Association (APHA) Annual Meeting.

[W.3] **A. Grimes** and R.E. Grinter (2006). Using Entertainment to Improve Nutrition Among African-Americans. Position paper presented at the Entertainment Media at Home Workshop at CHI 2006.

[W.2] B. Brown, M. Chetty, **A. Grimes** & E. Harmon (2005). Effortless Monitoring of Diet & Exercise for Students. Poster presented at the CHI-Atlanta Student Research Competition.

[W.1] **A. Grimes**, P. Tarasewich & C. Campbell (2005). Keeping Information Private in the Mobile Environment. Position paper presented at First International Workshop on Social Implications of Ubiquitous Computing at CHI 2005.

## INVITED TALKS

[T.16] Boston-area Electronic Media and Behavioral Change Interest Group, Boston, MA (2013). Telling Stories & Playing Games: African American Health Promotion Through Digital Media."

[T.15] Northeastern University Ph.D. Colloquium, Boston, MA (2013). "Health Promotion Technology for Underserved Populations: An Ecological Approach."

[T.14] Northeastern University Black History Month, Boston, MA (2013). "Telling Stories & Playing Games: African American Health Promotion Through Digital Media."

[T.13] The 5<sup>th</sup> African American Collaborative Obesity Research Network (AACORN) Invited Workshop, Philadelphia, PA (2012). "Telling Stories & Playing Games: Health Promotion Through Digital Media."

[T.12] Ford Foundation Conference of Fellows, Irvine, CA (2011). "Community-Based Research: A Health Technology Case Study."

[T.11] Emory University + Children's Healthcare Pediatric Research Center, Atlanta, GA (2011). "Leveraging Personal Health Data & Social Media: Implications for the Design of Digital Pediatric & Family Health Interventions."

## INVITED TALKS CONT.

[T.10] The African American Collaborative Obesity Research Network (AACORN) Youth Summit, Philadelphia, PA (2011). “Technology Tools for Healthy Living: Is there an App for That?”

[T.9] National Institutes of Health (NIH) Workshop on Virtual Reality Technologies for Research and Education in Obesity and Diabetes, Bethesda, MD (2010). “Celebratory Health Technology: Designing Around Positive Food Experiences.”

[T.8] U.S. Dept. of Health & Human Services (HHS) Region IV Office, Atlanta, GA (2009). “Reducing Health Disparities Through Partnerships Between Community Health Organizations & Technology Researchers.”

[T.7] Cornell University, SIGCHI Cornell Chapter Invited Speaker Series, Ithaca, NY (2009). “Designing Culturally-Focused Health Technology.”

[T.6] REACH for Wellness, Atlanta, GA (2009). “Using Cell Phones to Encourage Healthy Eating.”

[T.5] Georgia Institute of Technology, Atlanta, GA (2008). “Celebratory Technology: New Directions for Food Research in HCI.”

[T.4] Georgia Institute of Technology, Atlanta, GA (2008). “EatWell: Sharing Nutrition-Related Memories in a Low-Income Community.”

[T.3] Northeastern University, Boston, MA (2008). “Designing Technology to Promote Healthy Eating in Low-Income Communities.”

[T.2] Northeastern University, College of Computer & Information Science Colloquium, Boston, MA (2006). “Human Centered Computing for a Technologically-Filled World.”

[T.1] Nokia Research Laboratory, Boston, MA (2005). “Designing Interaction for Ultra-Mobile Devices.”

## ABSTRACT & OTHER PRESENTATIONS

[A.3] “Aesthetic Experiences: Addressing Health Disparities Through Engaging Health Systems,” presented at the 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine.

[A.2] Discussant Remarks for “The Use of Emergent Technology to Assess and Intervene with Multiple Health Behaviors in Racial/Ethnic Minority Populations”, 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine.

[A.1] “Addressing Health Disparities through Partnerships Between Community Health Organizations & Technology Researchers.” Abstract presentation at the U.S. Department of Health & Human Services (HHS) Office of Minority Health’s Leadership Summit on Eliminating Racial and Ethnic Disparities in Health, National Harbor, MD (2009).

## WORKSHOP & PANEL ORGANIZATION

[P.3] M. Reddy, L. Mamykina and **A.G. Parker** (2011). Workshop on Interactive Systems in Healthcare (WISH) 2011. Workshop at the AMIA 2011 Fall Symposium.

[P.2] R.E. Grinter, K.A. Siek and **A. Grimes** (2010). Wellness Informatics. Workshop at the CHI 2010 Conference.

## WORKSHOP & PANEL ORGANIZATION CONT.

[P.1] **A. Grimes** & S. Lewis (2009). “Changing the World: Using Technology to Address Social Issues”. Birds of a Feather session at The Richard Tapia Celebration for Diversity in Computing Conference.

## GRANTS

- Northeastern U. Tier 1 Grant (*Co-PIs: Andrea G. Parker, Jessica Hoffman & Carmen Sceppa*) 2013
- Northeastern U. College of Arts, Media & Design Grant (*Co-PIs: Brooke Foucault Welles & Andrea G. Parker*) 2013
- Georgia Institute of Technology FACES Career Initiation Grant (*PI: Andrea G. Parker*) 2012
- Clinical Outcomes Research & Public Health (CORPH) Center Seed Grant, Emory + Children’s Healthcare Research Center (*PI: Elizabeth D. Mynatt; Key personnel and lead proposal writer: Andrea G. Parker;*) 2011
- Georgia Institute of Technology FACES Postdoctoral Fellowship 2011
- Yahoo! Research Key Technical Challenge Grant 2008

## FELLOWSHIPS & SCHOLARSHIPS

### National

- Ford Foundation Dissertation Fellowship 2010 - 2011  
*awarded to 21 Ph.D. students across disciplines in recognition of promise for future research excellence*
- Microsoft Research Graduate Fellowship, Social Impact Award 2008 - 2010  
*special award made in recognition of the contribution of my research to society, health and computer science*
- Google Anita Borg Scholarship 2007 - 2008  
*award given to 20 graduate students out of a pool of over 250 applicants*
- National Science Foundation (NSF) Graduate Research Fellowship 2005 - 2008
- Phi Kappa Phi Graduate Fellowship 2005 - 2006  
*awarded to selected members of the Phi Kappa Phi National Honor Society*

### University

- Georgia Institute of Technology IBM/FOCUS Fellowship 2010 - 2011  
*awarded for research excellence*
- Georgia Institute of Technology FACES Pre-doctoral Fellowship 2007 - 2011  
*awarded for research excellence and promise*
- Georgia Institute of Technology President’s Fellowship 2005 - 2010  
*awarded for exemplary scholarship and innovation*
- Ralph Bunche Full Undergraduate Academic Scholarship – Northeastern University 2000 – 2005

## AWARDS & HONORS

### National & International

- 2<sup>nd</sup> place (out of 15 finalists), ACM CHI 2006 Student Design Competition 2006
- Computing Research Association (CRA) 2005 Outstanding Female Undergraduate Award 2005  
*national award from the CRA for outstanding research potential presented to one undergraduate female in North America*

### University

- Georgia Institute of Technology Foley Scholars Finalist 2009, 2010  
*awarded for research excellence*
- Georgia Tech College of Computing Ph.D. Student Research Excellence Commendation 2008
- Northeastern University Alcott Award 2005  
*presented to 1 undergraduate for outstanding performance in intellectual activities beyond the curriculum requirements*
- Northeastern University Hodgkinson Award 2005  
*awarded to 1 College of Computer & Information Science student for excellence in scholarship and leadership on the campus and in the community*
- Northeastern University Sears B. Condit Award 2005  
*awarded for outstanding academic achievement*
- Northeastern Univ. College of Computer & Information Science Undergraduate Research Award 2005
- John D. O'Bryant African American Institute Academic Excellence Award 2005  
*awarded to 1 graduating senior for outstanding academic achievement*
- Panel Member, WACE International Symposium on Work-Integrated Learning 2004  
*selected by the Northeastern Univ. President's Office as 1 of 2 U.S. student representatives*
- Phi Kappa Phi National Honors Society Commendation 2001 - 2003  
*commendation for having the top GPA in Northeastern University's College of Computer & Information Science*

## STUDENTS SUPERVISED

**Master's:** Martin Bednar (*resulted in [C.8]*), Vasudhara Kantroo (*resulted in [C.11, C.12]*), Heerin Lee (*resulted in [C.12]*), Sheena Lewis (*Master's thesis*), Ian McClendon (*resulted in [C.13]*), Sarah Williams

**Undergraduate:** Victoria Ayo (*resulted in [C.13]*), Wontaek Chung (*resulted in [C.13]*), Miguel Osonorio (*resulted in [C.12]*), Mansi Sharma (*Undergraduate thesis; [resulted in C.12]*)

## SERVICE & VOLUNTEER WORK

### Conference & Workshop

Program Committee Associate Chair

**CHI 2012-2014; CSCW 2014; Pervasive Healthcare 2010, 2011 & 2013; UBICOMP 2012**

Steering Committee

**Workshop on Interactive Systems in Healthcare 2012 & 2013**

## SERVICE & VOLUNTEER WORK CONT.

### Paper Submissions Reviewer

UIST 2011 (Poster Committee)

CHI 2007-2011; CSCW 2008, 2010 & 2011; DIS 2012; HCI Journal (2012, 2013); HRI 2009; MobileHCI (2013); Pervasive 2012; Pervasive Computing Magazine 2008 & 2009; Pervasive Healthcare 2009; ToCHI 2012; Ubicomp 2010-2011

### Grant Proposal Reviewer

National Science Foundation, 2012

### Northeastern University

Computer Science PhD Committee, College of Computer & Information Science (CCIS), 2013-Present

Personal Health Informatics PhD Program Committee, CCIS & Bouvé College of Health Sciences, 2013-Present

CISters Co-Advisor, CCIS, 2013-Present

### Georgia Institute of Technology

Faculty Recruitment Committee, Student Representative, 2010

Co-Coordinator, Georgia Tech Human-Computer Interaction Seminar, 2008

Co-Coordinator, Georgia Tech Human-Centered Computing Seminar, 2008

Co-Coordinator, Georgia Tech Women@CC (a student group for women in computer science), 2007-2008

Georgia Tech College of Computing Ph.D. Recruitment Student Coordinator, 2006 & 2008

Leadership Board Member, Georgia Tech Minorities in Computer Science, 2006

## MEMBERSHIPS

Association for Computing Machinery (ACM)	2004 - Present
American Public Health Association (APHA)	2010 - Present
American Medical Informatics Association (AMIA)	2011 - 2012
Phi Kappa Phi National Honors Society	2004 - 2006
Upsilon Pi Epsilon (International Computer Science Honors Society)	2004 - 2006