

ANDREA GRIMES PARKER

(Please note that publications through 2010 are under my maiden 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

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 2/20 –
Associate Professor – School of Interactive Computing, College of Computing

EMORY UNIVERSITY, Atlanta, GA 2/20 –
Adjunct Associate Professor (by courtesy) – Department of Behavioral Sciences & Health Education, Rollins School of Public Health, Emory University

NORTHEASTERN UNIVERSITY, Boston, MA 1/13 – 12/19
Assistant Professor – Khoury College of Computer Sciences, Bouvé 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

EMPLOYMENT (CONT).

MICROSOFT RESEARCH, Redmond, WA Summer Research Intern - Community Technologies Group	5/06-8/06
NORTHEASTERN UNIVERSITY, Boston, MA Undergraduate Research Assistant - College of Computer & Information Science, HCI Lab	2004 - 2005
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, PHTH 6204, Society, Behavior & Health	2016-2018
Instructor, CS 5340 Computer-Human Interaction	2013-2016
Instructor, HSCI 1000 Introduction to College	2015
NORTHEASTERN UNIVERSITY, Boston, MA Co-Facilitator, Personal Health Informatics Practicum	2013
NORTHEASTERN UNIVERSITY, Boston, MA Invited Lectures PHTH 2350, Community & Public Health (2017) HSCI 1000, Introduction to College (2016) HINF 5200 Theoretical Foundations of Personal Health Informatics (2015) PHTH 6400 Principles of Population Health (2014) PHTH 2300 Communication Skills for Health Professions (2013 & 2014) PHTH1260 Dimensions of the American Health Care System (2013) 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 Perspectives	2010
GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA FACES Teaching Practicum, CS6455 Qualitative Research Methods	2009

BOOK CHAPTERS

- [B.4] **Parker, A. G.** (2019). "Technological Approaches to Food-Related Health Equity". In *Well-Being as a Multidimensional Concept: Understanding Connections Between Culture, Community, and Health*. Page-Reeves, Janet (ed.) Lexington Books of Rowman & Littlefield. Lanham, Maryland.
- [B.3] **Parker, A. G.**, Saksono, H., Hoffman, J. A., & Castaneda-Sceppa, C. (2018). A Community Health Orientation for Wellness Technology Design & Delivery. In *Designing Healthcare That Works* (pp. 59-76). Academic Press.
- [B.2] Jimison, H. B., Pavel, M., **Parker, A.**, & Mainello, K. (2015). The Role of Human Computer Interaction in Consumer Health Applications: Current State, Challenges and the Future. In *Cognitive Informatics for Biomedicine* (pp. 259-278). Springer, Cham.
- [B.1] **Grimes, A.** (2010). Sharing Personal Reflections on Health Locally. In *Shared Encounters: Content Sharing as Social Glue in Public Places*, Springer Press.

JOURNAL ARTICLES

- [J.8] Gallagher, R.J. Stowell, E. **Parker, A.G.**, Welles, B.F., "Reclaiming Stigmatized Narratives: The Networked Disclosure Landscape of# MeToo," *Proceedings of the ACM on Human-Computer Interaction*. 3, CSCW, Article 96 (November 2019), 30 pages. DOI: 10.1145/3359198. (31% acceptance rate)
>HONORABLE MENTION, BEST PAPER AWARD<
- [J.7] Stowell, E., Zhang, Y., Castaneda-Sceppa, C., Lachman, M., **Parker, A.G.**, "Caring for Alzheimer's Disease Caregivers: A Qualitative Study Investigating Opportunities for Exergame Innovation," *Proceedings of the ACM on Human-Computer Interaction* 3, CSCW, Article 130 (November 2019), 27 pages. DOI: 10.1145/3359232. (31% acceptance rate)
- [J.6] Veinot, T.C., Ancker, J.S., Cole-Lewis, H. Mynatt, E.D., **Parker, A.G.**, Siek, K.A. and Mamykina, L., "Leveling Up: On the Potential of Upstream Health Informatics Interventions to Enhance Health Equity," *Medical Care* 57, (2019), S108-S114. doi: 10.1097/mlr.0000000000001032.
- [J.5] Bisafar, F.I., Ponnada, A., Shamekhi, A. and **Parker, A.G.**, "A Sociotechnical Study of a Community-based Rewards Program: Insights on Building Social, Financial and Human Capital," *Proceedings of the ACM on Human-Computer Interaction* 1, CSCW (2017), 1-21. (27% acceptance rate)
- [J.4] **Parker, A.G.** (2014). "Reflection-Through-Performance: Personal Implications of Documenting Health Behaviors for the Collective," *Journal of Personal & Ubiquitous Computing* 18(7): 1737-1752.
- [J.3] **Parker, A.G.** and Grinter, R.E., "Collectivistic health promotion tools: Accounting for the relationship between culture, food and nutrition," *International Journal of Human-Computer Studies* 72, 2 (2014), 185-206.
- [J.2] **Parker, A.G.**, Harper, R. and Grinter, R.E., "Celebratory Health Technology," *Journal of Science & Diabetes Technology* 5, 2 (2011), 333-339.
- [J.1] Hayes, G.R., Poole, E.S., Iachello, G., Patel, S.N., **Grimes, A.**, Abowd, G.D. and Truong, K.N., "Physical, social, and experiential knowledge in pervasive computing environments," *Pervasive Computing*, 6, 4 (2007), 56-63.

RIGOROUSLY PEER-REVIEWED CONFERENCE PAPERS

Note: In the field of computer science, conference papers in prestigious venues are rigorously peer-reviewed, with acceptance rates at or below those of high-caliber journals.

[C.24] Stowell, E., O'Leary, T., Kimani, E., Paasche-Orlow, M., Bickmore, T., and **Parker, A.G.** Investigating Opportunities for Crowdsourcing in Church-Based Health Interventions: A Participatory Design Study. *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI 2020)*, to appear. (24.3% acceptance rate)

[C.23] Zhang, Y., Suhaimi, N., Azghandi, R., Joseph, M., Kim, M., Griffin, J., and **Parker, A.G.** Understanding the Use of Crisis Informatics Technology among Older Adults. *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI 2020)*, to appear. (24.3% acceptance rate)

[C.22] Saksono, H., Castaneda-Sceppa, C., Hoffman, J., Seif El-Nasr, M., Morris, V. and **Parker, A.G.** Storywell: Designing Family Fitness App Engagement by Using Social Rewards and Reflection. *Proceedings of the 2020 CHI Conference on Human Factors in Computing Systems (CHI 2020)*, to appear. (24.3% acceptance rate)

[C.21] Saksono, H., Castaneda-Sceppa, C., Hoffman, J., Seif El-Nasr, M., Morris, V. and **Parker, A.G.** Social Reflections on Fitness Tracking Data: A Study with Families in Low-SES Neighborhoods. In the *Proceedings of the 2019 CHI Conference on Human Factors in Computing Systems (CHI 2019)*, May 4–9, 2019, Glasgow, Scotland UK. ACM, 14 pages. (23.8% acceptance rate)

[C.20] Irannejad Bisafar, F., Martinez, L.I. and **Parker, A.G.** "Social Computing-Driven Activism in Youth Empowerment Organizations: Challenges and Opportunities," *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, ACM, Montreal QC, Canada, 2018, 1-13. [25.7% acceptance rate]

[C.19] Saksono, H., Castaneda-Sceppa, C., Hoffman, J., Seif El-Nasr, M., Morris, V. and **Parker, A.G.**, "Family health promotion in low-SES neighborhoods: A two-month study of wearable activity tracking," *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, ACM (2018), 309. [25.7% acceptance rate]

[C.18] Stowell, E., Lyson, M.C., Saksono, H., Wurth, R. C., Jimison, H., Pavel, M. and **Parker, A.G.** "Designing and Evaluating mHealth Interventions for Vulnerable Populations: A Systematic Review," *Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems*, ACM, Montreal QC, Canada, 2018, 1-17. [25.7% acceptance rate]

>HONORABLE MENTION, BEST PAPER AWARD (TOP 4% OF SUBMISSIONS)<

[C.17] Saksono, H. and **Parker, A.G.** "Reflective Informatics Through Family Storytelling: Self-discovering Physical Activity Predictors," In *Proceedings of the 2017 CHI Conference on Human Factors in Computing Systems*, ACM, Denver, Colorado, USA, 2017, 5232-5244. [25% acceptance rate]

[C.16] Irannejad Bisafar, F., Saksono, H., Baquerizo, P., Moore, D., & **Parker, A.G.** "Youth Advocacy in SNAs: Challenges for Addressing Health Disparities," *Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems (CHI '16)*, ACM (2016). [23.4% acceptance rate]

[C.15] Irannejad Bisafar, F. & **Parker, A.G.** "Confidence & Control: Examining Adolescent Preferences for Technologies that Promote Wellness," *Proceedings of the 19th ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW)*, ACM (2016). [25% acceptance rate]

[C.14] Saksono, H., Ranade, A., Kamarthi, G., Castaneda-Sceppa, C., Hoffman, J.A., Wirth, C. and **Parker, A.G.**, "Spaceship Launch: Designing a Collaborative Exergame for Families," *Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing (CSCW)*, ACM (2015), 1776-1787. [28.3% acceptance rate]

RIGOROUSLY PEER-REVIEWED CONFERENCE PAPERS (CONT.)

[C.13] **Parker, A.G.**, McClendon, I., Grevet, C., Ayo, V., Chung, W., Johnson, V. and Mynatt, E.D. "I Am What I Eat: Identity and Critical Thinking in an Online Forum for Kids", *Proceedings of CHI'13*, 2013, 2437-2446. [20% acceptance rate]

[C.12] **Parker, A.G.**, Kantroo, V., Lee, H., Osornio, M., Sharma, M. and Grinter, R.E. Health Promotion as Activism: Building Community Capacity to Affect Social Change *Proceedings of CHI'12*, 2012, 99-108. [23% acceptance rate]

> HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)<

[C.11] **Grimes, A.**, Kantroo, V. and Grinter, R.E. "Let's play!: mobile health games for adults," *Proceedings of Ubicomp'10*, 2010, 241-250. [19% acceptance rate]

[C.10] **Grimes, A.**, Landry, B. and Grinter, R.E., "Characteristics of Shared Health Reflections in a Local Community," *Proceedings of CSCW'10* (2010), 435-444. [20% acceptance rate]

[C.9] **Grimes, A.**, Tan, D. and Morris, D. "Toward technologies that support family reflections on health," *Proceedings of GROUP'09*, ACM, 2009, 311-320. [36% acceptance rate]

[C.8] **Grimes, A.**, Bednar, M., Bolter, J.D. and Grinter, R.E., "EatWell: Sharing nutrition-related memories in a low-income community," *Proceedings of CSCW'08*, ACM (2008), 87-96. [23% acceptance rate]

> HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)<

[C.7] **Grimes, A.** and Harper, R., "Celebratory Technology: New Directions for Food Research in HCI," *Proceedings of CHI'08* (2008), 467-476. [22% acceptance rate]

> HONORABLE MENTION, BEST PAPER AWARD (TOP 5% OF SUBMISSIONS)<

[C.6] **Grimes, A.** and Brush, A.J. "Life scheduling to support multiple social roles," *Proceedings of CHI'08*, ACM, 2008, 821-824. [22% acceptance rate]

[C.5] Grimes, A. and Grinter, R.E., "Designing persuasion: Health technology for low-income African American communities," *Proceedings of Persuasive Technology 2007*, Springer, 2007, 24-35.

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

[C.3] **Grimes, A.E.** and Futrelle, R.P. "Text pattern visualization for analysis of biology full text and captions," *Proceedings of the IEEE Computer Society Conference on Bioinformatics*, IEEE Computer Society, 2003, 648-651.

[C.2] Futrelle, R.P., **Grimes, A.E.** and Shao, M., "Extracting structure from HTML documents for language visualization and analysis," *WDA-2003 (Workshop on Web Document Analysis)* (2003), 3-6.

[C.1] Futrelle, R.P., Shao, M., Cieslik, C. and **Grimes, A.E.**, "Extraction, layout analysis and classification of diagrams in PDF documents," *Proceedings of the Seventh International Conference on Document Analysis and Recognition (ICDAR'03)* (2003), 1007-1013.

MAGAZINE ARTICLES

[M.3] **Parker, A.G.**, "Designing for health activism," *Interactions* 20, 2 (2013), 22-25.

[M.2] Reddy, M., Mamykina, L. and **Parker, A.G.**, "Designing interactive systems in healthcare: a report on WISH 2011," *Interactions* 19, 1 (2012), 24-27.

MAGAZINE ARTICLES (CONT.)

[M.1] Grinter, R.E., Siek, K.A. and **Grimes, A.**, "Is wellness informatics a field of human-centered health informatics?," *Interactions* 17, 1 (2010), 76-79.

WORKSHOP PAPERS & POSTERS

[W.9] Saksono, H. & Parker, A.G. "Storytelling as a Space for Reflection on Parent and Child's Physical Activity Data," *CHI '17 Extended Abstracts on Human Factors in Computing Systems* (2017).

[W.8] Stowell, E. Lyson, M. Wurth, R. Saksono, H., Jimison, H., Pavel, M. **Parker, A.G.** "mHealth Research in Vulnerable Populations: A Systematic Review," Poster presented at the *Harvard Population Health Equity Conference* (2016).

[W.7] Saksono, H. and **Parker, A.G.**, "Storytelling as a Platform for Health Sensor Data Reflection & Physical Activity Promotion in a Family." Poster presented at the *Harvard Population Health Equity Conference* (2016).

[W.6] Stowell, E., Lyson, M., Wurth, R., Saksono, H., Jimison, H., Pavel, M., **Parker, A.G.** "mHealth Research in Vulnerable Populations: A Systematic Review," Poster presented at the *Workshop on Interactive Systems in Healthcare (WISH), CHI 2016* (2016).

[W.5] Ranade, A., Saksono, H., **Parker, A.**, Hoffman, J., Kamarthi, G., Wirth, C., Castaneda-Sceppa, C. "Spaceship Launch: A community-driven technology intervention promoting physical activity in a low-income neighborhood," Poster presented at the *142nd APHA Annual Meeting and Exposition*, APHA (2014).

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

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

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

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

THESIS

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

DOCTORAL CONSORTIUM

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

INVITED TALKS

- [T.36] Brown University, Computer Science Department (2019), Providence, RI. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.36] Wellesley College: Summer Research Program for Undergraduates (2019), Boston, MA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.35] Northeastern University Health Law Conference: Promises and Perils of Emerging Health Innovations (2019), Boston, MA. “Social Computing for Health Activism.”
- [T.34] University of Michigan, Michigan Interactive and Social Computing Group (MISC) (2018), Ann Arbor, MI. “Community Wellness Informatics: Designing Technology for Health Equity”.
- [T.33] Northeastern University, Institute on Urban Health Research (2017), Boston, MA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.32] University of Washington, Design Use Build Seminar (2017), Seattle, WA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.31] Boston Civic Media, (2016), Boston, MA. “Evaluating Impact: A Human-computer interaction perspective”
- [T.30] Johns Hopkins University, Malone Center for Engineering & Healthcare, (2016), Baltimore, MD. “Wellness Technology in the Wild: A Community-Centered Approach.”
- [T.29] Northeastern University, Personal Health Informatics Seminar, (2016), Boston, MA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.28] Worcester Polytechnic Institute, Department of Computer Science, (2016), Worcester, MA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.27] Wellesley College, Department of Computer Science, (2016), Wellesley, MA. “Community Wellness Informatics: Designing Technology for Health Equity.”
- [T.26] Individual Choice v. Collective Destiny: Conference on The Future of Public Health, Northeastern University, Boston, MA (April 2016). “Coping & Disrupting: Digital Approaches to the Collective Pursuit of Health Equity.”
- [T.25] Boston Civic Media, MIT Media Lab, Boston, MA (April 2016). “Evaluating Impact: A Human-computer interaction perspective.”
- [T.24] Indiana University School of Informatics Colloquium Series, Bloomington, IN (December 2015). “Designing Wellness: Digital Approaches to Health Equity.”
- [T.23] Grantmakers in Health Webinar (August 2015): Using Digital Technology to Promote Healthy Food Access. “Using Digital Innovation to Achieve Health Equity.”
- [T.22] Grantmakers in Health: Harnessing 21st Century Technological Innovation to Promote Health, New York, NY (May 2014). “Technology and Digital Health: Implications for Improving Racial and Ethnic Equity.”
- [T.21] New England Regional Black Nurses Association, Norwood, MA (April, 2014). “Using Health Informatics to Promote Personal and Community Health and Wellness.”

INVITED TALKS (CONT.)

- [T.20] Grantmakers in Health Webinar (March, 2014). "Using Technological Innovation to Promote Community Wellness: A Strategy for Equity."
- [T.19] Aetna Foundation, Hartford, CT (March, 2014). "Using Technical Innovation to Reduce Health Disparities in the United States."
- [T.18] Brown University School of Public Health, Providence, RI (November, 2013). "Health Promotion through Digital Innovation."
- [T.17] Boston-area Electronic Media and Behavioral Change Interest Group, Boston, MA (2013). "Telling Stories & Playing Games: African American Health Promotion Through Digital Media."
- [T.16] Invited Panelist, CHI'14 Panel: CHI at the Barricades – An Activist Agenda?, Paris, France (2013). "Designing Health Activism."
- [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 5th 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.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."

INVITED TALKS (CONT.)

[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] **Parker, A.** “Aesthetic Experiences: Addressing Health Disparities Through Engaging Health Systems,” presented at the 34th Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine (2013).

[A.2] **Parker, A.** 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 (2013).

[A.1] **Parker, A.** “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.4] Thieme, A., Vines, J., Wallace, J., Clarke, R., Slovák, P., McCarthy, J., Massimi, M., **Parker, A.G.** (2014). Enabling Empathy in Health and Care: Design Methods and Challenges. Workshop at the CHI 2014 Conference.

[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.

[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.

CURRENT GRANTS

National Science Foundation Cyber-Human Systems Grant (#1815940) 2018-2021

PI: Andrea G. Parker

Co-PIs: Brooke Foucault Welles, Catherine D’Ignazio

Title: CHS: Small: Collaborative Research: Catalyzing Youth Civic Engagement Through Innovations in Social Computing

Amount: \$469k.

National Science Foundation Smart & Connected Communities Grant (#1831755) 2018-2022

Co-PIs: Timothy Bickmore, Michael Paasche-Orlow

Investigators: Andrea G. Parker, Stephen Intille, Jessica Hoffman

Title: SCC: Smart and Connected Churches for Promoting Health in Disadvantaged Populations

Amount: \$2,092,670

CURRENT GRANTS (CONT.)

- National Science Foundation Cyber-Human Systems Grant (#1618406)** 2016-2020
PI: Andrea G. Parker, Co-PIs: Jessica Hoffman, Carmen Sceppa, Magy Seif El-Nasr
Title: CHS: Small: Experiential Learning Systems for Promoting Wellness in Low-Income Families. Amount: \$499k.
- Northeastern University Tier 1 Grant** 2018-2019
Lead Co-PI: Jackie Griffin, Co-PIs: Andrea G. Parker, Miso Kim
Title: Designing Emergency Response Services Processes for Elderly Evacuees. Amount: \$50k.
- Georgia Institute of Technology FACES Career Initiation Grant** Gift
PI: Andrea G. Parker
Title: Social Computing for Health Promotion in Low-Income Contexts. Amount: \$30k.

COMPLETED GRANTS

- National Institutes of Health, National Institute on Aging (#3 P30 AG048785-03S1)** 2016-2019
PI: Margie Lachman (Brandeis U.), NEU Site PI: Carmen Sceppa, Co-I: Andrea G. Parker
Title: Administrative Supplement: Boston Roybal Center for Active Lifestyle Interventions. Amount: \$94k (NEU).
- Northeastern University Institute for Health Equity & Social Justice Research** 2018-2019
PI: Andrea G. Parker
Title: Expressive Design: Personal Health Informatics Innovations to Support Coping & Resilience. Amount: \$5k.
- Northeastern University Tier 1 Grant** 2016-2017
Lead Co-PI: Andrea G. Parker, Co-PIs: Dietmar Offenhuber, Brooke Foucault Welles
Title: Catalyzing Youth Advocacy Through Interactive Social Network Visualizations. Amount: \$50k.
- Aetna Foundation Grant** 2014-2016
PI: Andrea G. Parker; Co-PIs: Holly Jimison & Misha Pavel
Title: Evaluation of the Community Empowerment Through Technological Innovations Initiative. Amount: \$155k.
- Northeastern University Tier 1 Grant** 2013-2014
Lead Co-PI: Andrea G. Parker; Co-PIs: Jessica Hoffman & Carmen Sceppa
Title: Designing Community-Driven Technologies for Physical Activity Promotion in Families. Amount: \$50k.
- Northeastern University College of Arts, Media & Design Grant** 2013-2014
Co-PIs: Brooke Foucault Welles & Andrea G. Parker
Title: Cultivating "Network Thinking" for Physical, Emotional and Social Wellness: A Pilot Study with Boston-Area Adolescents. Amount: \$8k.
- Yahoo! Research Key Technical Challenge Grant** 2008-2009
Recipient: Andrea G. Parker

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

FELLOWSHIPS & SCHOLARSHIPS (CONT.)

National (cont.)

- Google Anita Borg Scholarship 2007 - 2008
- National Science Foundation (NSF) Graduate Research Fellowship 2005 - 2008
- Phi Kappa Phi Graduate Fellowship 2005 - 2006

University

- Northeastern University Humanities Center Faculty Fellowship 2015 - 2016
- Georgia Institute of Technology FACES Postdoctoral Fellowship 2011
- Georgia Institute of Technology IBM/FOCUS Fellowship 2010 - 2011
- Georgia Institute of Technology FACES Pre-doctoral Fellowship 2007 - 2011
- Georgia Institute of Technology President's Fellowship 2005 - 2010
- Ralph Bunche Full Undergraduate Academic Scholarship – Northeastern University 2000 – 2005

AWARDS & HONORS

National & International

- 2nd 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

- Northeastern University Institute on Urban Health Research Faculty Scholar 2018-2019
- 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

AWARDS & HONORS (CONT.)

University (cont.)

- 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 & POSTDOCS SUPERVISED

Postdoctoral Advisees

Dr. Mercedes Lyson (*supervisor, NEU*)

Ph.D Student Advisees

Vanessa Oguamanam (*Computer Science Ph.D. student, Georgia Tech*)
Farnaz Irannejad Bisafar (*Computer Science Ph.D. student, NEU*)
Herman Saksono (*Computer Science Ph.D. student, NEU*)
Elizabeth Stowell (*Personal Health Informatics Ph.D. student, NEU*)
Janice Zhang (*Personal Health Informatics Ph.D. student, NEU*)

Ph.D. Students – Research Assistants

Xin Yao Lin (*Visiting Psychology Ph.D. student, Brandeis University*)
Renée Würth (*Population Health Ph.D. student, NEU*)
Emma Simpson (*Visiting Digital Civics PhD student, Newcastle University*)

Master's Students – Theses & Capstones

Charlotte Gray (*capstone, MPH, NEU*)
JeanNate Lowe (*capstone, MPH, NEU*)
Cassandra O'Connell (*capstone, MPH, NEU*)
Lina Martinez (*capstone, MPH, NEU, resulted in [C.20]*)
Janice Zhang (*Health Informatics, NEU*)
Herman Saksono (*M.S. Computer Science Thesis, NEU*)
Sheena Lewis (*M.S. Computer Science thesis, Georgia Tech*)

Master's Students – Research Assistants

Arushi Singh (*MFA in Information Design and Visualization, NEU*)
Amritansh Tripathi (*Computer Science, NEU*)
Syed Aman Alam (*Computer Science, NEU*)
Sai Krishna Karanam (*Computer Science, NEU*)
Raj Kukadia (*Computer Science, NEU*)
Deepak Krishnan (*Computer Science, NEU*)
Nivedita Mittal (*Computer Science, NEU*)
Corey Murphy (*MPH, NEU*)
Ashwini Ranade (*MPH, resulted in [C.14] & [W.5], NEU*)
Geeta Kamarthi (*MPH, resulted in [C.14] & [W.5], NEU*)
Janice Zhang (*Health Informatics, NEU*)
Wenjing Wang (*Computer Science, NEU*)
Martin Bednar (*resulted in [C.8], Georgia Tech*)
Vasudhara Kantroo (*M.S. HCI, resulted in [C.11, C.12], Georgia Tech*)
Heerin Lee (*M.S. HCI, resulted in C.12], Georgia Tech*)

STUDENTS & POSTDOCS SUPERVISED (CONT.)

Master's Students – Research Assistants (cont.)

Ian McClendon (*M.S. HCI, resulted in [C.13], Georgia Tech*)

Sarah Williams (*M.S. Computer Science, Georgia Tech*)

Undergraduate Students – Theses & Capstones

Amanda Carreiro (*Health Sciences, capstone, NEU*)

Chelsi Gibson (*Health Sciences, capstone, NEU*)

Johnothon Smileye (*Health Sciences, capstone, NEU*)

Chloe Eng (*Health Sciences, capstone, NEU*)

Mansi Sharma (*Undergraduate thesis; [resulted in C.12], Georgia Tech*)

Undergraduate Students – Research Assistants

Mackenzie Breen (*Biology & Political Science, NEU*)

Olivia Sterns (*Health Sciences, NEU*)

Connor Holmes (*Health Sciences, NEU*)

Nur Selin Akbulut (*Health Sciences, NEU*)

Anita Onuoha (*Health Sciences, NEU*)

Sarina Dass (*Data Science, NEU*)

Brenna Sorokin (*Computer Science & Design, NEU*)

Lilian Ngweta (*CRA-W DREU visiting undergrad from Arizona State University*)

Sreeya Sai (*Computer Science, NEU*)

Aekta Shah (*Computer Science & Cognitive Psychology, NEU*)

Bahar Haji-Sheikhi (*Computer Science, NEU*)

Parul Sharma (*Computer Science, NEU*)

Priscilla Baquerizo (*Computer Science, University Scholars program, NEU*)

Dana Moore (*CRA-W DREU visiting undergrad from Winthrop University, NEU*)

Undergraduate Students – Research Assistants cont.

Victoria Ayo (*resulted in [C.13], Georgia Tech*)

Wontaek Chung (*resulted in [C.13], Georgia Tech*)

Miguel Osonorio (*resulted in [C.12], Georgia Tech*)

SERVICE & VOLUNTEER WORK

Editorial

Associate Editor, Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies (IMWUT), 2017-2018

Conference & Workshop

Chair

Co-Chair, Late-Breaking Work Submissions, **CHI 2016 (ACM Conference on Human Factors in Computing Systems)**

Co-Chair, Technical Program Committee, **11th EAI International Conference on Pervasive Computing Technologies for Healthcare (2017)**

Program Committee Associate Chair

CSCW 2014, 2016-2018, 2020; CHI 2012-2014, 2020; Pervasive Healthcare 2010, 2011 & 2013; UBICOMP 2012, IEEE Workshop on Issues and Challenges in Social Computing 2014

SERVICE & VOLUNTEER WORK (CONT.)

Conference & Workshop (cont.)

Steering Committees

NSF Smart & Connected Health Visioning Workshop 2017
Workshop on Interactive Systems in Healthcare 2012, 2013, 2018, 2019

Organizer

Co-organizer, **CRA-W Broadening Participation Workshop**, Ubicomp 2014

Doctoral Consortium

Invited Mentor, **CSCW 2019 Doctoral Consortium**

Other Committees

Grace Hopper 2015 (Poster Committee); **UIST 2011** (Poster Committee)

Invited Talks

“Surviving Graduate School,” CRA-W Workshop, 2013 **Grace Hopper Celebration of Women in Computing**.

Paper Submissions Reviewer

ACM Computing Surveys (2015); CHI (2007-2011, 2015-2018); Creativity & Cognition (2015); CSCW (2008, 2010-2013); DIS 2012, 2014, 2019; HCI Journal (2012, 2013); HRI (2009); IJHCS (2014, 2016-2018); Interacting with Computers (2015-2017); ITS (2014); MobileHCI (2013, 2014); Pervasive (2012); Pervasive Computing Magazine (2008 & 2009); Pervasive Healthcare (2009, 2014); Tapia Celebration of Diversity in Computing (2016); ToCHI (2011-2013); Ubicomp (2010-2012, 2014-2016)

Grant Proposal Panels

National Science Foundation (2012, 2015, 2017, 2018)

Grant Proposal Reviewer

European Union Marie-Curie ASSISTID Programme (2015 & 2016), Aetna Foundation (2015)

Northeastern University

Member, Personal Health Informatics Curriculum Committee, CCIS & College of Health Sciences (2013-Present)
Member, Master of Public Health (MPH) Committee, Bouvé College of Health Sciences (2018-Present)
Member, Computer Science Undergraduate Curriculum Committee, CCIS (2016-2017)
Co-Advisor, Northeastern University Women in Technology (NUWiT), CCIS (2013-Present)
Member, Computer Science Merit Committee, CCIS (2015-2016)
Co-Instructor, *Intro to College*, College of Health Sciences (2015)
Member, Computer Science PhD Committee, CCIS (2013-2014)

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 (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)