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Andrea G. Parker, PhD
Associate Professor
School of Interactive Computing

I. Earned Degrees

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

Northeastern University, Boston, MA

College of Computer and Information Science, Honors Program

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

II. Employment History

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 4/2022-present

Associate Professor, with tenure

School of Interactive Computing, College of Computing

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 2/2020–4/2022

Associate Professor

School of Interactive Computing, College of Computing

MOREHOUSE SCHOOL OF MEDICINE, Atlanta, GA 11/2020–present

Adjunct Associate Professor (by courtesy)

Department of Medicine

EMORY UNIVERSITY, Atlanta, GA 2/2020–present

Adjunct Associate Professor (by courtesy)

Department of Behavioral Sciences & Health Education

Rollins School of Public Health, Emory University

NORTHEASTERN UNIVERSITY, Boston, MA 1/2013 – 12/2019

Assistant Professor

Khoury College of Computer Sciences, Bouvé College of Health Sciences

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 8/2011-9/2012

Postdoctoral Fellow

Everyday Computing Lab, College of Computing

Postdoctoral Advisor: Dr. Elizabeth D. Mynatt

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA 8/2005–7/2011

Graduate Research Assistant - College of Computing, Work2Play Lab

February 6, 2023

MICROSOFT RESEARCH, Redmond, WA Summer Research Intern - Collaborative User Experiences Group	5/2008-8/2008
MICROSOFT RESEARCH, Cambridge, UK Summer Research Intern - Socio-Digital Systems Group	5/2007-8/2007
MICROSOFT RESEARCH, Redmond, WA Summer Research Intern - Community Technologies Group	5/2006-8/2006
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

III. Honors and Awards

Paper Awards

- Finalist, 2021 Research in Public Interest Communications Prize
- Best Paper Honorable Mention Award, CHI 2021
- Best Paper Honorable Mention Award, CHI 2020
- Best Paper Honorable Mention Award, CSCW 2019
- Best Paper Honorable Mention Award, CHI 2018
- Best Paper Honorable Mention Award, CHI 2012
- Best Paper Honorable Mention Award, CSCW 2008
- Best Paper Honorable Mention Award, CHI 2008

Regional, National & International Awards

- Georgia Clinical & Translational Science Alliance (CTSA) Team Science Award of Distinction for Early-Stage Research Teams, 2020
- 2nd place (out of 15 finalists), ACM CHI 2006 Student Design Competition, 2006
- Computing Research Association (CRA) 2005 Outstanding Female Undergraduate Award, 2005

National Fellowships

- Ford Foundation Dissertation Fellowship, 2010 - 2011
- Microsoft Research Graduate Fellowship, Social Impact Award, 2008 - 2010

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

University Honors & Awards

- Georgia Tech College of Computing James D. Lester III Family Award, 2022
- Northeastern University Khoury College of Computer Sciences 40 for 40 Innovation Champion, 2022
- Northeastern University Institute on Urban Health Research Faculty Scholar, 2018-2019
- Georgia Institute of Technology Foley Scholars Finalist, 2009, 2010
- 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 U. College of Computer & Information Science Undergrad Research Award, 2005
- John D. O'Bryant African American Institute Academic Excellence Award, 2005
awarded to 1 graduating senior for outstanding academic achievement
- Phi Kappa Phi National Honors Society Commendation, 2001 - 2003
commendation for having the top GPA in Northeastern University's College of Computer & Information Science

University Fellowships

- 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

IV. Research, Scholarship, and Creative Activities

*Papers published while at Georgia Tech are denoted with an *. Student co-authors are listed in boldface. Publications until 2010 were published under my maiden name, Andrea E. Grimes.*

A. Published Books, Book Chapters, and Edited Volumes

A1. Invited 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.

B. Refereed Publications and Submitted Articles

B1. Published and Accepted Journal Articles

* [J.15] Hernandez, N., **Francis, S.**, **Allen, M.**, **Bellamy, E.**, Sims, O, Oh, H., **Guillaume, D.**, Parker, A.G., & Chandler, R. (2022). Prevalence and predictors of symptoms of perinatal mood and anxiety disorders among a sample of urban Black women in the South. *Maternal and Child Health Journal*, 26(4), 770-777.

*[J.14] Chandler, R., **Guillaume, D.**, Parker, A., Wells, J., Hernandez, N. (2022). Developing culturally tailored mHealth tools to address sexual and reproductive health outcomes among Black and Latina Women: a systematic review. *Health Promotion Practice*.

*[J.13] Chandler, R, **Guillaume, D**, Parker, A.G. Carter, S. & Hernandez, N. (2020). Promoting optimal sexual and reproductive health with Mobile Health Tools for Black Women: Intertwining Technology, Cultural, and Contextual Relevancy. *Perspectives of Sexual and Reproductive Health*.

*[J.12] Chandler, R., **Guillaume, D.**, Parker, A. G., Mack, A., Hamilton, J., Dorsey, J., & Hernandez, N. (2020). The impact of COVID-19 among Black women: evaluating perspectives and sources of information. *Ethnicity and Health*.

*[J.11] **Irannejad Bisafar, F.**, Foucault Welles, B., D'ignazio, C., and Parker, A.G., Supporting Youth Activists' Strategic Use of Social Media: A Qualitative Investigation of Design Opportunities. *Proceedings of the ACM on Human-Computer Interaction* 4, CSCW2, Article 109 (October 2020), 25 pages. <https://doi.org/10.1145/3415180>

*[J.10] **Irannejad Bisafar, F.**, Foucault Welles, B., and Parker, A.G., A Dramaturgical Approach to Online Activism within Youth Empowerment Organizations. *Proceedings of the ACM on Human-Computer Interaction* 4, CSCW2, Article 122 (October 2020), 22 pages. <https://doi.org/10.1145/3415193>

*[J.9] **Lin, X.Y.**, **Saksono, H.**, **Stowell, E.**, Lachman, M. Castaneda-Sceppa, C., and Parker, A.G.. Go&Grow: An Evaluation of a Pervasive Social Exergame for Caregivers of Loved Ones with Dementia. *Proceedings of the ACM on Human-Computer Interaction* 4, CSCW2 (October 2020).

[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.

B2. Conference Presentation with Proceedings (Refereed)

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.39] **Zhang, Y., Gaggiano, J.,** Yongsatianchot, N., Suhaimi, N.M., Kim, M., Sun, Y., Griffin, J., Parker, A.G., “What Do We Mean When We Talk about Trust in Social Media? A Systematic Review.” (To appear, CHI 2023) [28.39% acceptance rate]

*[C.38] **Choi, A.,** D’Ignazio, C., Foucault Welles, B., Parker, A.G. “Social Media as a Critical Pedagogical Tool: Examining the Relationship Between Youth’s Political Participation on Social Media and Their Critical Consciousness.” (To appear, CHI 2023) [28.39% acceptance rate]

- *[C.37] **Oguamanam, V.**, Hernandez, N., Chandler, R., **Guillaume, D., McKeever, K., Allen, M., Mohammed, S.**, Parker, A.G. “An Intersectional Look at Use of and Satisfaction with Digital Mental Health Platforms: A Survey of Perinatal Black Women.” (To appear, CHI 2023) [28.39% acceptance rate]
- *[C.36] **Sacikety, D., O’Leary, T.**, Paasche-Orlow, M., Bickmore, T., Parker, A.G. ““Everyone is Covered”: Exploring the Role of Online Interactions in Facilitating Connection and Social Support in Black Churches.” (To appear, CHI 2023) [28.39% acceptance rate]
- *[C.35] **Zhou, J., Zhang, Y.**, Luo, Q., Parker, A.G., De Choudhury, M. “Synthetic Lies: Understanding AI-Generated Misinformation and Evaluating Algorithmic and Human Solutions.” (To appear, CHI 2023) [28.39% acceptance rate]
- *[C.34] **Zhang, Y.**, Sun, Y., **Gaggiano, J.D.**, Kumar, N., Andris, C., Parker, A.G. “Visualization Design Practices in a Crisis: Behind the Scenes with COVID-19 Dashboard Creators.” (IEEE VIS 2022) [26.5% acceptance rate]
- *[C.33] Suhaimi, N., **Zhang, Y., Joseph, M.**, Kim, M.D., Parker, A.G., Griffin, J., “Investigating Older Adults’ Attitudes towards Crisis Informatics Tools: Opportunities for Enhancing Community Resilience during Disasters.” (CHI 2022) [24.7% acceptance rate]
- *[C.32] **O’Leary, T.K.**, Parmar, D., Olafsson, S., Paasche-Orlow, M., Bickmore, T., Parker, A.G., “Community Dynamics in Technospiritual Interventions: Lessons Learned from a Church-based mHealth Pilot.” (CHI 2022) [24.7% acceptance rate]
- *[C.31] **Zhang, Y., Suhaimi, N.M., Yongsatianchot, N., Gaggiano, J.D.**, Kim, M., Patel, S., Sun, Y., Marsella, S., Griffin, J., Parker, A.G. “Exploring How Trust and Distrust Formation Intersects with Information Practices Amidst COVID-19.” (CHI 2022) [24.7% acceptance rate]
- *[C.30] **Bray, K.**, Harrington, C., Parker, A.G., Diakhate, N., Roberts, J. “Radical Futures: Supporting Community-Led Design Engagements through an Afrofuturist Speculative Design Toolkit” (CHI 2022) [24.7% acceptance rate]
- *[C.29] **Saksono, H.**, Castaneda-Sceppa, C., Hoffman, J., Seif El-Nasr, M., and Parker, A.G. StoryMap: Using Social Modeling and Self-Modeling for Supporting Physical Activity Among Low-SES Families (CHI 2021). (26.3% acceptance rate)
>Honorable Mention, Best Paper Award<
- *[C.28] **O’Leary, T., Stowell, E.**, Hoffman, J., Paasche-Orlow, M., Bickmore, T., and Parker, A.G. Examining the Intersections of Race, Religion & Community Technologies: A Photovoice Study (CHI 2021). (26.3% acceptance rate)
- *[C.27] **Zhang, Y.**, Sun, Y., Padilla, L., Bertini, E., Parker, A.G., Mapping the Landscape of COVID-19 Crisis Visualizations (CHI 2021). (26.3% acceptance rate)
- *[C.26] **O’Leary, T. Stowell, E., Kimani, E. Parmar, D., Olafsson, S.**, Hoffman, J., Parker, A.G. Paasche-Orlow, M. and Bickmore, T. 2020. Community-Based Cultural Tailoring of Virtual Agents. *Proceedings of IVA’20* (2020). (27% acceptance rate)
- *[C.25] **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)*. (24.3% acceptance rate)

>Honorable Mention, Best Paper Award<

*[C.24] **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)*. (24.3% acceptance rate)

*[C.23] **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)*. (24.3% acceptance rate)

*[C.22] **Zhang, Y.,** Parker, A.G., Dunne, C. (2020). Information Visualization for Diabetes Management: A Literature Review. *Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare*. Atlanta, GA, USA, Association for Computing Machinery: 427–430.

[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<

[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]

[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<

[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<

[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<

[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.

B3. Other Refereed Material

Refereed Workshop Papers & Posters

*[W.17] Baker, L. J., Parker, A., Blake, S. C., Marini, J., Sylvester, S., & Ru-fong, J. C. (2022). Exploring Health Care Provider's Perspectives on Maternal Health and Racial Inequity in Georgia. *Journal of Obstetric, Gynecologic & Neonatal Nursing*, 51(4), S82.

*[W.16] **Zhang, Y.**, Sun, Y., **Barua, S.**, Bertini, E., Parker, A.G. "Mapping the Landscape of COVID-19 Crisis Visualizations," *Visualization for Communication (VisComm)* (2020).

*[W.15] **Zhang, Y.**, Parker, A.G., and Dunne, C. "Information Visualization for Diabetes Management: A Literature Review," *PervasiveHealth* (2020).

*[W.14] **Choi, A.**, Parker, A.G. "Applied Communitarian Ethics as an Approach to Resolving Harmful Assets," *Assets-Based Design CSCW 2020 Workshop* (2020).

*[W.13] **Zhang, Y.** and Parker, A.G. "Eat4Thought: A Design of Food Journaling," *CHI 2020 Extended Abstracts* (2020).

*[W.12] **Zhang, Y.**, **Pandey, A.**, Guerra-Gomez, J.A., Parker, A.G., Borkin, M.A. "Digital Collaborator: Augmenting Task Abstraction in Visualization Design with Artificial Intelligence," *CHI 2020 ai4hci Workshop* (2020).

*[W.11] **Suhaimi, N.**, **Yongsatianchot, N.**, **Zhang, Y.**, **Amiji, A.**, Patel, S., Marsella, S., Kim, M., Griffin, J., Parker, A.G. "Examining Older Adults' Information Exposure, Wellbeing, and Adherence to Protective Measures During the COVID-19 Pandemic," *Symposium of the Workgroup on Interactive Systems in Health (WISH)* (2020).

*[W.10] **Oguamanam, V.**, **Guillaume, D.**, **Mohammed, S.**, **Allen, M.**, Hernandez, N., Chander, R., Parker, A. "Technological Approaches to Maternal Mental Health Promotion Amidst COVID-19," *Symposium of the Workgroup on Interactive Systems in Health (WISH)* (2020).

[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.

C. Other Publications and Creative Products

Non-Refereed 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.

Non-Refereed Magazine Articles

* [M.4] O'Leary, T. K., Stowell, E., Sackitey, D., Yun, H. S., Wright, D., Paasche-Orlow, M., ... & Parker, A. G. (2022). Church after Sunday: supporting everyday well-being through techno-spiritual health interventions. *Interactions*, 29(4), 90-93.

[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.

[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.

Thesis

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

Doctoral Consortium

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

D. Presentations

Invited Keynote Talks

[K.4] Elon Voices of Discovery Speaker Series. "Transforming the Health of Communities through Innovations in Social Computing." (March 2022)

[K.3] NeurIPS 2021 Machine Learning in Public Health Workshop. "Achieving Health Equity: The Power & Pitfalls of Intelligent Interfaces." (December 2021)

[K.2] Google Health Equity Research Summit. "Laying the Foundation for Innovation in Health Equity and Social Determinants of Health Keynote Dialogue." (September 2021)

[K.1] 26th Annual ACM Conference on Intelligent User Interfaces (IUI) 2021. "Achieving Health Equity: The Power & Pitfalls of Intelligent Interfaces." (April 2021)

Invited Talks

[T.50] Google Maternal Health Roundtable (2022). "Preventing Maternal Mortality & Morbidity through Mobile Technology: PM3."

[T.49] Morehouse School of Medicine Cardiovascular Research Institute (2021). "Community Wellness Informatics: Designing Technology for Health Equity."

[T.48] Northwestern University's Technology & Social Behavior Speaker Series (2021). "Community Wellness Informatics: Designing Technology for Health Equity."

[T.47] UC Irvine Informatics Seminar (2021). “Community Wellness Informatics: Designing Technology for Health Equity.”

[T.46] Carnegie Mellon University HCI Institute Virtual Seminar (2021). “Community Wellness Informatics: Designing Technology for Health Equity.”

[T.45] Brown University Institute for Computational and Experimental Research in Mathematics (ICERM): Workshop on Mathematical and Computational Approaches to Social Justice (2021). “Community Wellness Informatics: Designing Technology for Health Equity.”

[T.44] University of Chicago Center for Data and Computing Distinguished Speaker Series (2021). “Trends & Implications of COVID-19 Information Exposure Amongst Racial & Ethnic Minority Groups.”

[T.43] Google COVID-19 Research and Action Workshop (2021). “Trends & Implications of COVID-19 Information Exposure in Vulnerable & Marginalized Populations.”

[T.42] IEEE TechEthics & United Nations Department of Economic & Social Affairs, New Technologies, Ethics and Policy Engagement for Sustainable Development: Health & Human Well-Being, Panelist (2020).

[T.41] Northwestern University, Center for Behavioral Intervention Technologies, Digital Mental Health Seminar, “Trends & Implications of COVID-19 Information Exposure Amongst Racial & Ethnic Minority Groups,” (2020).

[T.40] Future of Work & Wellbeing Conversation Series (2020).

[T.39] NSF Virtual workshop on "Technology, Diet, & Eating in Context" (2020).

[T.38] NULab for Texts, Maps, and Networks, Northeastern University, “Trends & Implications of COVID-19 Information Exposure Amongst Racial & Ethnic Minority Groups,” (2020).

[T.37] Google Wellbeing Summit (2020). “Community Wellness Informatics: Designing Technology for Health Equity.”

[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.”
- [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.”

[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.”

Invited Guest Lectures

Georgia Tech

CS 7455 Issues in Human-Centered Computing (2022)
CS 6451 Introduction to Human-Centered Computing (2021)
CS 4001 Computers & Society (2011)

Northeastern University

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)

Emory University

Social Responsibility and Bioethics (2020)
ANT339 Defining Health: Biocultural Perspective (2010)

E. Grants and Contracts

E1. As Principal Investigator

[1] Title: Social Computing for Health Promotion in Low-Income Contexts
Agency/Company: Georgia Institute of Technology FACES Career Initiation Grant
Total Dollar Amount: \$30k
Role: PI
Period of Grant: Gift

[2] Title: Cultivating “Network Thinking” for Physical, Emotional and Social Wellness: A Pilot Study with Boston-Area Adolescents
Agency/Company: Northeastern University College of Arts, Media & Design
Total Dollar Amount: \$8k
Role: M-PI (Multiple PI)
Collaborators: Drs. Brooke Foucault Welles (M-PI)
Period of Grant: 2013-2014

[3] Title: Designing Community-Driven Technologies for Physical Activity Promotion in Families
Agency/Company: Northeastern University
Total Dollar Amount: \$50k
Role: M-PI (Multiple PI)
Collaborators: Drs. Jessica Hoffman & Carmen Sceppa (M-PIs)
Period of Grant: 2013-2014

[4] Title: Evaluation of the Community Empowerment Through Technological Innovations Initiative
Agency/Company: Aetna Foundation
Total Dollar Amount: \$155k
Role: PI
Collaborators: Drs. Holly Jimison & Misha Pavel (Co-PIs)
Period of Grant: 2014-2016

[5] Title: CHS: Small: Experiential Learning Systems for Promoting Wellness in Low-Income Families.

Agency/Company: NSF

Total Dollar Amount: \$499k

Role: PI

Collaborators: Jessica Hoffman, Carmen Sceppa, Magy Seif El-Nasr (Co-PIs)

Period of Grant: 2016-2021

Dr. Parker's Share: ~\$450k

[6] Title: Catalyzing Youth Advocacy Through Interactive Social Network Visualizations

Agency/Company: Northeastern University

Total Dollar Amount: \$50k

Role: Multiple PI (M-PI)

Collaborators: Dietmar Offenhuber (M-PI), Brooke Foucault Welles (M-PI)

Period of Grant: 2016-2017

[7] Title: Designing Emergency Response Services Processes for Elderly Evacuees

Agency/Company: Northeastern University

Total Dollar Amount: \$50k

Role: M-PI (Multiple PIs)

Collaborators: Jackie Griffin (Co-PI), Miso Kim (Co-PI)

Period of Grant: 2018-2020

[8] Title: Expressive Design: Personal Health Informatics Innovations to Support Coping & Resilience

Agency/Company: Northeastern University Institute for Health Equity & Social Justice Research

Total Dollar Amount: \$5k

Role: PI

Collaborators:

Period of Grant: 2018-2019

Candidate's Share: \$5k

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

Agency/Company: NSF

Total Dollar Amount: \$469k

Role: PI

Collaborators: Brooke Foucault Welles (Co-PI), Catherine D'Ignazio (Co-PI)

Period of Grant: 2018-2023

Dr. Parker's Share: ~ \$390k

[10] Title: Prevent Maternal Mortality using Mobile Technology (PM³)

Agency/Company: Johnson & Johnson

Total Dollar Amount: \$1.7M

Role: M-PI (Multiple PI)

Collaborators: Rasheeta Chandler (Emory, M-PI), Natalie Hernandez (Morehouse, M-PI), Sierra Carter (Georgia State University, Co-I)

Period of Grant: 2020-2022

Dr. Parker's Share: \$365k

[11] Title: Investigating Patterns & Impact of COVID-19 Information-Seeking Amongst Vulnerable Populations

Agency/Company: Google

Total Dollar Amount: \$155k

Role: PI

Period of Gift: 2020 (gift: no end-date)

Dr. Parker's Share: \$155k

[12] Title: Establishing A Technology Ecosystem to Optimize COVID-19 Testing

Agency/Company: Georgia Center for Diabetes Translation Research (GCDTR)

Total Dollar Amount: \$47,435

Role: PI

Period of Grant: 2020-2021

Dr. Parker's Share: \$47,435

[13] Title: Maternal Health Telemedicine for Low-income Black Women Amidst COVID-19

Agency/Company: Georgia Institute of Technology EVPR

Total Dollar Amount: \$10k

Role: PI

Collaborators: Rasheeta Chandler (Emory, Co-I), Natalie Hernandez (Morehouse, Co-I)

Period of Grant: 2020-2021

Dr. Parker's Share: \$8,500

[14] Title: Community-based Design and Evaluation of a Conversational Agent to Promote SARS-COV2 Vaccination in Black Churches

Agency/Company: NIH

Total Dollar Amount: \$2,893,765

Role: M-PI (Multiple PI)

Collaborators: Tim Bickmore (M=PI), Michael Paasche-Orlow, (M-PI)

Period of Grant: 9/2021-8/2025

Candidate's Share: \$530,370

[15] Title: Georgia IMPROVE on Maternal Health, Structural Racism and Discrimination, and COVID-19

Agency/Company: National Institutes of Health (NIH)/National Center for Advancing Clinical and Translational Sciences (NCATS)/Office of the Director Maternal Health Task Force

Total Dollar Amount: \$1,500,000

Role: Co-I

Collaborators: Natalie Hernandez (PI), et al.

Period of Grant: 2021-2023

Dr. Parker's Share: \$89k

[16] Title: In-the-kNOW (Novel approaches to Optimizing Women's Health): A mobile application to optimize HIV prevention and sexual/reproductive health communication among Black women in the Southern U.S.

Agency/Company: NIH

Total Dollar Amount: \$709k

Role: Co-I

Collaborators: Rasheeta Chandler (PI), Natalie Hernandez (Co-I)
Period of Grant: 2021-2024
Dr. Parker's Share: \$229k

[17] Title: Digital Support for Black Maternal Mental Health: An Investigation of Current Practices & Future Opportunities Using the Superwoman Schema Framework
Agency/Company: Johnson & Johnson / Morehouse School of Medicine
Total Dollar Amount: \$50k
Role: PI
Collaborators: Joy Baker (Co-I), Rasheeta Chandler (Co-I), Fleda Mask Jackson (Co-I)
Period of Grant: 2022-2023
Dr. Parker's Share: \$44k

E2. As Co-Principal Investigator

[1] Title: Administrative Supplement: Boston Roybal Center for Active Lifestyle Interventions
Agency/Company: National Institutes of Health, National Institute on Aging (#3 P30 AG048785-03S1)
Total Dollar Amount: \$94k
Role: Co-I
Collaborators: Dr. Margie Lachman (PI), Dr. Carmen Sceppa (Co-I)
Period of Grant: 2016-2019

[2] Title: SCC: Smart and Connected Churches for Promoting Health in Disadvantaged Populations
Agency/Company: NSF
Total Dollar Amount: \$2,092,670
Role: Co-I
Collaborators: Timothy Bickmore (M-PI), Michael Paasche-Orlow (M-PI), Stephen Intille (Co-I), Jessica Hoffman (Co-I)
Period of Grant: 2018-2022
Dr. Parker's Share: ~\$250k

E3. As Senior Personnel or Contributor

[1] Title: Focusing Innovative Technology on Rural Black Mothers to Prevent Maternal Morbidity and Mortality (FIT-2-PM3)
Agency/Company: Fitbit
Total Dollar Amount: No monetary award – this is a device and services award valued at \$78k
Role: Key Personnel
Collaborators: Sherilyn Francis (PI; Ms. Francis is Dr. Parker's incoming PhD student), Rasheeta Chandler (Key Personnel), Natalie Hernandez (Key Personnel)
Period of Grant: 2021-2022
Dr. Parker's Share: n/a

F. Other Scholarly and Creative Accomplishments

Patents

“System for Reducing Maternal Mortality And Method Of Use Thereof”

Status: Submitted (2022)

Inventors: Natalie Hernandez, Andrea G. Parker, Rasheeta Chandler

“Control and visibility for digital calendar sharing.”

Status: Active

Filed 2007; Assigned to Microsoft 2014

Inventors: Alice Jane Bernheim Brush, Aaron W. H. Con, Danyel Fisher, Shawn Lee Morrissey, Andrew Sullivan, Andrea Elaina Grimes, Ryan Edward Gregg.

US8122362B2

G. Societal and Policy Impacts

News Coverage

“A Social Network To Improve Community Health.” Northeastern News. August 27, 2013. <https://news.northeastern.edu/2013/08/27/a-social-network-to-improve-community-health/>

“Northeastern team puts patients first in health tech.” Boston Globe. May 6, 2013. <https://www.bostonglobe.com/business/2013/05/05/northeastern-developing-personalized-medicine-program/QOFkoRPfo5jiZNWJIOiTWJ/story.html>

“Fitness Trackers Need to Go Beyond Counting Steps. Here’s Why.” Northeastern News. May 22, 2019. <https://news.northeastern.edu/2019/05/22/fitness-trackers-need-to-offer-more-support-to-help-low-income-families-to-improve-their-health-says-northeastern-university-professor/>

“Keeping Track of Wellness: Alumna And Professor Andrea Grimes Parker.” Khoury College of Computer Sciences News. April 30, 2019. <https://www.khoury.northeastern.edu/keeping-track-of-wellness-alumna-and-professor-andrea-grimes-parker/>

“Research on Information Flow During Crisis Can Help Communities With Covid-19.” Khoury College of Computer Sciences News. March 30, 2020. <https://www.khoury.northeastern.edu/research-on-information-flow-during-crisis-can-help-communities-with-covid-19/>

“Science in Action: Collaborating in Georgia to Improve Black Maternal Health.” Shirley Sylvester, M.D., Senior Medical Director for Women's Health, Office of the Chief Medical Officer at Johnson & Johnson. February 16, 2021. <https://chwi.jnj.com/news-insights/science-in-action-collaborating-in-georgia-to-improve-black-maternal-health?fbclid=IwAR0UMqrQZgAinRotMCH1NMD6IoytmXylwKnoxJruOHbkKANe-wERCqB-ob4>

[Mobile App Aims to Improve HIV Awareness, Prevention Among Black Women](#) (Georgia Tech Research Horizons)

[Virtual Counselor to Help Address Vaccination Hesitancy in Black Communities](#) (Georgia Tech College of Computing)

[Meet The Georgia Tech Ph.D. Student Using Fitbit To Improve Postpartum Care](#) (Hypepotamus)

[It's a systemic issue': Why Georgia's maternal health crisis requires multiple solutions](#) (Savannah Morning News)

[Lab Working to Improve Health and Wellness in Black Communities](#) (Georgia Tech College of Computing News)

V. Education

A. Courses Taught

Courses Taught

Courses taught at Georgia Tech are listed here. For courses taught at Northeastern University (as a faculty member), please see Section V.C.

Semester, Year	Course Number	Course Title	Number of Students
Spring 2023	CS/PSYC 3873	Introduction to User Interface Design	198
Fall 2022	CS 7001	Introduction to Graduate Studies	60
Spring 2022	CS 4803/8803	Digital Health Equity	38
Spring 2021	CS 4803/8803	Digital Health Equity	18
Fall 2020	CS 6755/PSYC 6755	Foundations of HCI	39

B. Individual Student Guidance

B1. Ph.D. Students

Graduated Students

(1) Farnaz Irannejad Bisafar (*Computer Science Ph.D. student, Northeastern University*)
Thesis title: Catalyzing Youth Civic Engagement Through Innovations in Social Computing (graduated 2020)
* Northeastern University Dissertation Completion Fellowship
* 2018 CSCW Doctoral Colloquium

(2) Herman Saksono (*Computer Science Ph.D. student, Northeastern University*)
Thesis title: A Social Cognition Framework for Interpersonal Informatics in Families (graduated 2020)
Current Position: Postdoctoral Fellow, Center of Research in Computation and Society, Harvard University
* Northeastern University Dean's Fellowship
* Best paper honorable mention award, CHI 2018, CHI 2021

Current Students

(1) Vanessa Oguamanam (*Computer Science Ph.D. student, Georgia Tech*)
Advisement began: Spring 2020
Project title: Digital Mental Health Promotion for Black Women

(2) Janice Zhang (*Human-Centered Computing Ph.D. student, Georgia Tech*)

Advisement began: Fall 2017

Project title: The Coevolution of Crisis Information Infrastructures and Online Trust Among Marginalized Populations

(3) Adrian Choi (*Human-Centered Computing Ph.D. student, Georgia Tech*)

Advisement began: Fall 2020

Project title: Digital Support for Social Capital Building in Low-SES Youth

(4) Elizabeth Stowell (*Personal Health Informatics Ph.D. student, Northeastern University.*)

Advisement began: Fall 2015

Project title: Reducing Interpersonal Violence Stigma in Computer-Mediated Communities

(5) Darley Sackitey (*Human-Centered Computing Ph.D. student, Georgia Tech*)

Advisement began: Fall 2021

Project title: Technospiritual Interventions for Health Promotion in Historically-Black Churches

(6) Sherilyn Francis (*Human-Centered Computing Ph.D. student, Georgia Tech*)

Advisement began: Fall 2021

Project title: Technospiritual Interventions for Health Promotion in Historically-Black Churches

(7) Niharika Mathur (*Human-Centered Computing Ph.D. student, Georgia Tech*)

Advisement began: Spring 2022 (co-advisor)

Project title: Studying the differences in values around interaction with AI agents in the home as a result of varying dynamics in diverse family structures

B2. M.S. Students (Indicate Thesis Option for Each Student)

Previous Master's Students – Theses & Capstones

1. Herman Saksono (M.S. Computer Science Thesis: Spaceship Launch: Designing a Collaborative Exergame for Families, Northeastern University, resulted in [C.14])
2. Charlotte Gray (capstone, MPH, Northeastern University)
3. JeanNate Lowe (capstone, MPH, Northeastern University)
4. Cassandra O'Connell (capstone, MPH, Northeastern University)
5. Lina Martinez (capstone, MPH, Northeastern University, resulted in [C.20])
6. Janice Zhang (Health Informatics, Northeastern University)
7. Sheena Lewis (M.S. Computer Science Thesis, Georgia Tech)

Current Master's Students – Research Assistants

1. Xiao Luo (MS HCI, Georgia Tech)
2. Kewal Shah (MS HCI, Georgia Tech)
3. Kim Huynh (MS CS, Georgia Tech)
4. Joseph Gaggiano (MS HCI, Georgia Tech, resulted in [C.31])

Previous Master's Students – Research Assistants

5. Niharika Mathur (MS HCI, Georgia Tech)
6. Arushi Singh (MFA in Information Design and Visualization, Northeastern University)
7. Amritansh Tripathi (Computer Science, Northeastern University)
8. Syed Aman Alam (Computer Science, Northeastern University)
9. Sai Krishna Karanam (Computer Science, Northeastern University)

10. Raj Kukadia (Computer Science, Northeastern University)
11. Deepak Krishnan (Computer Science, Northeastern University)
12. Nivedita Mittal (Computer Science, Northeastern University)
13. Corey Murphy (MPH, Northeastern University)
14. Ashwini Ranade (MPH, resulted in [C.14] & [W.5], Northeastern University)
15. Geeta Kamarthi (MPH, resulted in [C.14] & [W.5], Northeastern University)
16. Janice Zhang (Health Informatics, Northeastern University)
17. Wenjing Wang (Computer Science, Northeastern University)
18. Martin Bednar (resulted in [C.8], Georgia Tech)
19. Vasudhara Kantroo (M.S. HCI, resulted in [C.11, C.12], Georgia Tech)
20. Heerin Lee (M.S. HCI, resulted in C.12], Georgia Tech)
21. Ian McClendon (M.S. HCI, resulted in [C.13], Georgia Tech)
22. Sarah Williams (M.S. Computer Science, Georgia Tech)

B3. Undergraduate Students

Current Undergraduate Students – Theses & Capstones

1. Ahmed Klasra (Computer Science, Georgia Tech)

Previous Undergraduate Students – Theses & Capstones

2. Amanda Carreiro (Health Sciences, capstone, Northeastern University)
3. Chelsi Gibson (Health Sciences, capstone, Northeastern University)
4. Johnathon Smileye (Health Sciences, capstone, Northeastern University)
5. Chloe Eng (Health Sciences, capstone, Northeastern University)
6. Mansi Sharma (Undergraduate thesis; [resulted in C.12], Georgia Tech)

Current Undergraduate Students – Research Assistants

1. Kai McKeever (Computer Science, Georgia Tech)
2. Grace Pfohl (Computer Science, Georgia Tech)
3. Elizabeth Ayala Mojica (Computer Science, Georgia Tech; Helen Fellow)
4. Shirley Shabnam (Computer Science, Georgia Tech; Helen Fellow)

Previous Undergraduate Students – Research Assistants

5. Qin Chen (Computer Science, Georgia Tech)
6. Melissa Ramkarran (Health equity intern, Biology, Northeastern University)
7. Anisa Amiji (Health equity intern, Health Sciences, Northeastern University)
8. Mackenzie Breen (Biology & Political Science, Northeastern University)
9. Olivia Sterns (Health Sciences, Northeastern University)
10. Connor Holmes (Health Sciences, Northeastern University)
11. Nur Selin Akbulut (Health Sciences, Northeastern University)
12. Anita Onuoha (Health Sciences, Northeastern University)
13. Sarina Dass (Data Science, Northeastern University)
14. Brenna Sorkin (Computer Science & Design, Northeastern University)
15. Lilian Ngweta (CRA-W DREU visiting undergrad from Arizona State University)
16. Sreeya Sai (Computer Science, Northeastern University)
17. Aekta Shah (Computer Science & Cognitive Psychology, Northeastern University)
18. Bahar Haji-Sheikhi (Computer Science, Northeastern University)
19. Parul Sharma (Computer Science, Northeastern University)
20. Priscilla Baquerizo (Computer Science, University Scholars program, Northeastern University)

21. Dana Moore (CRA-W DREU visiting undergrad from Winthrop University, Northeastern University)
22. Victoria Ayo (resulted in [C.13], Georgia Tech)
23. Wontaek Chung (resulted in [C.13], Georgia Tech)
24. Miguel Osonorio (resulted in [C.12], Georgia Tech)

B4. Service on Thesis or Dissertation Committees

Georgia Tech

- Arielle Schlesinger (HCC PhD program, Georgia Tech)
- Dong Whi Yoo (HCC PhD program, Georgia Tech)
- Karthik Bhat (HCC PhD program, Georgia Tech)
- Mehrab Bin Morshed (CS PhD program, Georgia Tech)
- Sachin Pendse (HCC PhD program, Georgia Tech)
- Azra Ismail (HCC PhD program, Georgia Tech)
- Matthew Hong (HCC PhD program, Georgia Tech), graduated 2020

External to Georgia Tech

- Michelle Chau (Biomedical Informatics PhD program, Columbia University), graduated 2020

B5. Mentorship of Postdoctoral Fellows or Visiting Scholars

- Dr. Mercedes Lyson (*Postdoctoral Researcher, Northeastern University*)
- Xin Yao Lin (*Visiting Psychology Ph.D. student, Brandeis University*)
- Emma Simpson (*Visiting Digital Civics PhD student, Newcastle University*)
- René Würth (*Population Health Ph.D. student, Northeastern University*)

C. Other Teaching Activities

Courses Taught at Northeastern University (as an Assistant Professor)

Semester, Year	Course Number	Course Title	Number of Students
Fall 2018	PHTH 6204	Society, Behavior & Health	12
Fall 2017	PHTH 6204	Society, Behavior & Health	19
Fall 2016	PHTH 6204	Society, Behavior & Health	15
Fall 2016	CS 5340	Computer/Human Interaction	29
Fall 2015	HSCI 5300	Introduction to College	19
Fall 2015	CS 5340	Computer/Human Interaction	29
Spring 2014	CS 5340	Computer/Human Interaction	12
Spring 2013	CS 5340	Computer/Human Interaction	24

February 6, 2023

PhD Qualifying Exam Committees

I have served on the PhD qualifying exam committees of the following Georgia Tech students

- Vanessa Oguamanam (advisor)
- Janice Zhang (advisor)
- Adrian Choi (advisor)
- Amy Chen (committee member)
- Jiawei Zhou (committee member)
- Sachin Pendse (committee member)
- Britney Johnson (committee member)
- Tamara Zubatiy (committee member)

VI. Service

A. Professional Contributions

Editorial

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

Conference, Workshop & Committees

Chair

Co-Chair, 2020 Symposium of the Workgroup on Interactive Systems in Healthcare (WISH)

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

Steering & Other Committees

Co-Chair, Workgroup on Interactive Systems in Healthcare, 2020-present

Member, ACM SIGCHI CARES Committee, 2020-Present

Member, Georgia Maternal Health Research for Action Steering Committee, 2020-present

Member, CSCW Steering Committee, 2020-present

Member, NSF Smart & Connected Health Visioning Workshop 2017

Member, Workshop on Interactive Systems in Healthcare 2012, 2013, 2018, 2019

Member, Grace Hopper 2015 (Poster Committee)

Member, UIST 2011 (Poster Committee)

Doctoral Consortium

Invited Mentor, CSCW 2021 Doctoral Consortium

Invited Mentor, CSCW 2019 Doctoral Consortium

Paper Submission Reviewer

CHI (2007-2023)

February 6, 2023

CSCW (2008, 2010, 2013-2021)
Ubicomp (2010-2012, 2014-2018)
DIS (2012, 2014, 2019)
JAMIA (2019)
HCI Journal (2012, 2013)
Creativity & Cognition (2015)
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, 2020)
ACM Computing Surveys (2015)
HRI (2009)

Grant Proposal Panels & Review

National Institutes of Health Panelist & Ad hoc reviewer (2021, 2022)
National Science Foundation Panelist (2012, 2015, 2017, 2018)
European Union Marie-Curie ASSISTID Programme (2015 & 2016), Aetna Foundation (2015)

B. Public and Community Service

Invited Talks & Panels

- University of Georgia LSAMP Summer Bridge Panel (2020)
- “Self-Confidence”, IAmGradComputing Workshop (2020)
- Invited Talk, “Surviving Graduate School,” CRA-W Workshop, 2013 Grace Hopper Celebration of Women in Computing.

Organizer

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

C. Institute Contributions

Georgia Institute of Technology

Institute Level

As an Associate Professor

Member, IRB Search Committee (2023-Present)
Member, Institute Undergraduate Curriculum Committee (2020-Present)
Member, EVPR Jr. Researchers Advisory Council (2021-Present)

College-Level

As an Associate Professor

- Member, School Chair Search Committee, School of Interactive Computing (2021-2022)
- Faculty Advisor, Diversifying LEAdership in the Professoriate (LEAP) Alliance (2020-Present)

As a PhD Student

- Student Representative, Faculty Recruitment Committee (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)

Northeastern University

- Member, Personal Health Informatics Curriculum Committee, CCIS & College of Health Sciences (2013-2019)
- Member, Master of Public Health (MPH) Committee, Bouvé College of Health Sciences (2018-2019)
- Member, Computer Science Undergraduate Curriculum Committee, CCIS (2016-2017)
- Co-Advisor, Northeastern University Women in Technology (NUWiT), CCIS (2013-2019)
- 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)