

Sarah Fox

Human-Computer Interaction Institute
Carnegie Mellon University
Pittsburgh, PA 15213

sarahfox@cmu.edu
sarahfox.info

ACADEMIC APPOINTMENTS

2020 -
2019 - 2020 **Carnegie Mellon University**, Pittsburgh, Pa.
Assistant Professor, Human-Computer Interaction Institute
President's Postdoctoral Fellow

2018 - 2019 **University of California, San Diego**, Ca.
Postdoctoral Scholar, Department of Communication and The Design Lab

EDUCATION

2013 - 2018 **University of Washington**, Ph.D. and M.S. in Human Centered Design & Engineering

2011 - 2013 **Georgia Institute of Technology**, M.S. in Digital Media

2005 - 2009 **University of Georgia**, B.A.(s) in Film Studies, English, and Telecommunication Arts

PUBLICATIONS

Journal articles

- J8 Howell, N., Desjardins, A., **Fox, S.** 2021. "Cracks in the Success Narrative: A Retrospective Trioethnography" *ACM Transactions on Computer-Human Interaction (TOCHI)* 28 (6): 1-31.
- J7 **Fox, S.**, Spektor, F. 2021. "Hormonal Advantage: Retracing the exploitative histories of workplace menstrual tracking," *Catalyst* 7 (1).
- J6 Spektor, F., **Fox, S.** 2020. "The 'Working Body': Reshaping the productivist tendencies of biohacking through crip-centered speculative design," *Somatechnics* 10 (3), 327-354.
- J5 **Fox, S.**, Menking, A., Eschler, J., Backonja, U. 2020. "Multiples Over Models: Interrogating the Past and Collectively Reimagining the Future of Menstrual Sensemaking." *ACM Transactions on Computer-Human Interaction (TOCHI)* 27(4).
- J4 **Fox, S.**, Lim, C., Rosner, D., Hirsch, T. 2020. "Accounting for Design Activism: On the Positionality and Politics of Designerly Intervention." *Design Issues* 36(1), 5-18.

- J3 Eschler, J., Menking, A., **Fox, S.**, Backonja, U. 2019. "Defining menstrual literacy with the aim of evaluating mobile menstrual tracking applications." *Computers, Informatics, Nursing* 37(12), 638-646.
- J2 **Fox, S.**, Rosner, D. 2016. "Inversions of Design: Examining the limits of human-centered perspectives in a feminist design workshop." *Journal of Peer Production*, Issue #8: Feminism and (un)hacking.
- J1 Rosner, D., **Fox, S.** 2016. "Legacies of craft and the centrality of failure in a mother-operated hackerspace." *New Media and Society* 18(4), 558-580.

Book chapters

- B3 **Fox, S.**, Epstein, D. 2020. "Monitoring Menses: Design Based Investigations of Menstrual Tracking Applications," In the *Critical Menstrual Studies Handbook*, Ed. Bobel, C., Fans, B., Hasson, K., Kissling, E., Roberts, T., Winkler, I. Palgrave Macmillan.
- B2 **Fox, S.** 2018. "Reconfiguring Culture/Technology: Feminist Approaches to Design and Engineering." *The Field Guide to Hacking*, Ed. Poon, M. Design Trust: Hong Kong.
- B1 Burek, A., Foster, E.A., **Fox, S.**, Rosner, D. 2017. "Feminist Hackerspaces: Hacking Culture, Not Devices (the zine!)." *Making Things and Drawing Boundaries: Experiments in the Digital Humanities*. Ed. Sayers, J. University of Minnesota Press.

Conference papers

- C22 Kotturi, Y., Johnson, H., Skirpan, M., **Fox, S.**, Bigham, J., Pavel, A. 2022. "Tech Help Desk: Long-term Support for Local Entrepreneurs Addressing Everyday Computing Challenges" In the *Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI'22)*.
- C21 Fan, B., **Fox, S.** 2022. "Access Under Duress: Pandemic-Era Lessons on Digital Participation, Control, and Datafication in Civic Engagement," In the *Proceedings of the ACM on Human-Computer Interaction*, Vol. 6 (GROUP): Article No. 14.
- C20 Bennett, C., Ackerman, E., Fan, B., Bigham, J., Carrington, P., **Fox, S.** 2021. "Accessibility and The Crowded Sidewalk: Micromobility's Impact on Public Space." In the *Proceedings of the ACM Designing Interactive Systems Conference 2021 (DIS'21)*. **Honorable Mention Award.**
- C19 Spektor, F., Rodriguez, E., Shorey, S. **Fox, S.** 2021. "Discard(ed) Labor: Countervisualities for Representing AI Integration in Essential Work." In the *Proceedings of the ACM Designing Interactive Systems Conference 2021 (DIS'21)*.
- C18 Kotturi, Y., Blaising, A., **Fox, S.**, Kulkarni, C. 2021. "The Unique Challenges for Small Businesses Seeking Feedback on Social Media," In the *Proceedings of the ACM on Human-Computer Interaction* Vol. 5(CSCW): Article No. 15.

- C17 **Fox, S.**, Shorey, S., Spektor, F., Rosner, D. 2020. "Crafting Everyday Resistance through Lightweight Design" In the *Proceedings of the ACM Designing Interactive Systems Conference 2020 (DIS'20)*, Eindhoven, Netherlands. **Honorable Mention Award.**
- C16 Wong, R., Khovanskaya, V., **Fox, S.**, Merrill, N., Sengers, P. 2020. "Infrastructural Speculations: Tactics for Designing and Interrogating Lifeworlds." In the *Proceedings of the ACM Conference on Human Factors in Computing Systems 2020 (CHI'20)*, Honolulu, HI.
- C15 **Fox, S.**, Howell, N., Wong, R., Spektor, F. 2019. "Vivewell: Speculating Near-Future Menstrual Tracking through Current Data Practices." In the *Proceedings of the ACM Designing Interactive Systems Conference 2019 (DIS'19)*, San Diego, CA.
- C14 **Fox, S.**, Sobel, K., Rosner, D. 2019. "Managerial Visions: Stories of upgrading and maintaining the public restroom with IoT." In the *Proceedings of the ACM Conference on Human Factors in Computing Systems 2019 (CHI'19)*, Glasgow, UK. **Best Paper Award.**
- C13 Pierce, J., **Fox, S.**,* Merrill, N., Wong, R. 2018. "Differential Vulnerabilities and a Diversity of Tactics: What Toolkits Teach Us about Cybersecurity." *Proceedings of the ACM on Human-Computer Interaction* Vol. 2(CSCW): Article No. 139.
*All authors contributed equally. Random number generator was used to order names.
- C12 Porter, J., Sobel, K., **Fox, S.**, Bennett, C., Kientz, J. 2018. Filtered Out: Disability Disclosure Practices in Online Dating Communities. *Proceedings of the ACM on Human-Computer Interaction* Vol. 1(CSCW): Article No. 87.
- C11 **Fox, S.**, Silva, R., Rosner, D. 2018. "Beyond the Prototype: Maintenance, Collective Responsibility, and Public IoT." In the *Proceedings of the ACM Designing Interactive Systems Conference 2018 (DIS'18)*, Hong Kong. **Honorable Mention Award.**
- C10 Pierce, J., **Fox, S.**, Merrill, N., Wong, R. 2018. "An Interface without A User: An Exploratory Design Study of Online Privacy Policies and Digital Legalese." In the *Proceedings of the ACM Designing Interactive Systems Conference 2018 (DIS'18)*, Hong Kong.
- C9 **Fox, S.**, Lampe, M., Rosner, D. 2018. "Parody in Place: Engaging Socio-spatial Difference in Data-Driven Maps through Imitation." In the *Proceedings of the ACM Conference on Human Factors in Computing Systems 2018 (CHI'18)*, Montreal, Canada.
- C8 Woodruff, A., **Fox, S.**, Rousso-Schindler, S., Warshaw, J. 2018. "Public Perception of Algorithmic Fairness." In the *Proceedings of the ACM Conference on Human Factors in Computing Systems 2018 (CHI'18)*, Montreal, Canada.
- C7 Dombrowski, L., Harmon, E., **Fox, S.** 2016. Social Justice-Oriented Interaction Design: Outlining Key Design Strategies and Commitments. In the *Proceedings of the ACM Designing Interactive Systems Conference 2016 (DIS'16)*, Brisbane, Australia. **Best Paper Award.**

- C6 Rosner, D., Morris, M., Duncan, A., **Fox, S.**, Kitner, K., Agrawal, A. 2016. Designing for Movement in Public Life with Itinerant Probes. In the Proceedings of the *ACM Designing Interactive Systems Conference 2016 (DIS'16)*, Brisbane, Australia.
- C5 **Fox, S.**, Rosner, D. 2016. Continuing the Dialogue: Bringing Research Accounts Back into the Field. In the Proceedings of the *ACM Conference on Human Factors in Computing Systems 2016 (CHI'16)*, San Jose, CA. **Honorable Mention Award.**
- C4 **Fox, S.**, Ulgado, R., Rosner, D. 2015. Hacking Culture, Not Devices: Access and Recognition in Feminist Hackerspaces. In the Proceedings of the *ACM Conference on Computer Supported Cooperative Work 2015 (CSCW'15)*, Vancouver, Canada.
- C3 Le Dantec, C., **Fox, S.** 2015. Strangers at the Gate: Gaining Access, Building Rapport, and Co-Constructing Community-Based Research. In the Proceedings of the *ACM Conference on Computer Supported Cooperative Work 2015 (CSCW'15)*, Vancouver, Canada. **Best Paper Award.**
- C2 **Fox, S.**, Le Dantec, C. 2014. Community Historians: Scaffolding Community Engagement through Culture and Heritage. In the Proceedings of the *ACM Designing Interactive Systems Conference 2014 (DIS'14)*, Vancouver, Canada.
- C1 Asad, M., **Fox, S.**, Le Dantec, C. 2014. Speculative Activism Technologies. In the Proceedings of *iConference 2014*, Berlin, Germany.

Public scholarship

Spektor, F., Rodriguez, E., Shorey, S., **Fox, S.** 2021. "AI & Essential Labor: Representing the Invisible Work of Integration." *XRDS: Crossroads*, The ACM Magazine for Students.

Avle, S., **Fox, S.** 2021. "The Future of Tech Labor: A new Dialogue forum." *ACM interactions* 27.4.

Fox, S. 2020. "Heeding the Call for Action." *ACM interactions* blog. July 2, 2020; <https://interactions.acm.org/blog/view/heeding-the-call-for-action>

Shorey, S., **Fox, S.**, Dew, K. 2017. "Glimmers and Half Built Projects." *interactions* 24.6: 78-81.

Fox, S., and Rosner, D. 2016. "Extensions from the 'field': Exploring alternative methods of research communication." *ACM interactions* 23.4: 68-71.

Position papers

Weinberg, D., Dwyer, H., **Fox, S.**, Martelaro, N. "Sharing the Sidewalk: Analyzing Autonomous Delivery Robot Interactions with Pedestrians" For the workshop, "HRI in Public Spaces," *HRI 2022*, Sapporo, Hokkaido, Japan.

Forlizzi, J., **Fox, S.**, Kulkarni, C. "Examining Fairness in the Automation of the Hospitality Industry" For the workshop, "Fairness and Transparency in HRI Algorithms, Methods, and Metrics," *HRI 2022*, Sapporo, Hokkaido, Japan.

Shorey, S., Rodriguez, E., **Fox, S.** “Automating the Essential Work of Care: Media Reporting on Automation and Waste Workers Before and During the COVID-19 Pandemic.” In the *International Communication Association Annual Conference 2021*.

Fox, S., 2019. “Menstrual Recordkeeping: Retracing menstrual tracking through archival analysis,” For the workshop, “Fostering Historical Research in CSCW in HCI,” *CSCW 2019*, Austin, TX.

Fox, S., Menking, A. 2017. Menstrual Extraction: Self-study and control in the age of the period app. For the workshop “Hacking Women’s Health,” *CHI 2017*, Denver, CO.

Fox, S. 2016. Commentary for alt.chi paper: Resistance is Fertile: Design Fictions in Dystopian Worlds in *Extended Abstracts CHI 2016*, San Jose, CA.

Rosner, D., Ames, M., **Fox, S.** 2016. What Happened to Craft?: Surfacing Alternate Histories of Digital Fabrication and Community in the Maker Movement. For the workshop “Fabrication & HCI: Hobbyist Making, Industrial Production, and Beyond,” *CHI 2016*, San Jose, CA.

Rosner, D., **Fox, S.** 2015. Interventions, Responses, and Extensions. For the workshop “Shifting Borderlands of Technoscience: Tracing Trajectories of Critical Practice,” *Critical Alternatives, Aarhus 2015*, Aarhus, Denmark.

Fox, S. 2015. Feminist Design Workshops: Generating Design Futures in Feminist Hackerspaces. For the workshop “Feminism and Feminist Approaches to Social Computing,” *CSCW 2015*, Vancouver, Canada.

Ulgado, R., **Fox, S.** 2014. Critical Design in Feminist Hackerspaces. For the workshop “Socially Engaged Arts Practice in HCI,” *CHI 2014*, Toronto, Canada.

Invited talks

Fox, S. 2022. “Hormonal Advantage.” The University Seminars. Columbia University.

Fox, S. 2021. “Centering Operators’ Perspectives in Designing the Future of Transit Work.” Smart Mobility Connection Seminar, Mobility 21 University Transportation Center, Carnegie Mellon University.

Fox, S. 2021. “Funding,” Path of Professorship 2021. Massachusetts Institute of Technology.

Fox, S., Whitmore, A., Guerra, E. 2021 “Roundtable Discussion: Equity/Justice & Mobility.” Mobility21 University Transportation Center Advisory Council Meeting, Carnegie Mellon University.

Fox, S. 2021. “Worker-Centered Design.” CHIWork: Symposium on Human-Computer Interaction for Work.

Fox, S. 2021. “Hormonal Advantage: Retracing Exploitative Histories of Workplace Menstrual Tracking.” For the panel on, “From Industrial Health to Corporate Wellness: Histories of Body Measurement at Work,” 45 Annual Meeting 2021, Toronto, CA/Virtual.

Shorey, S., Fox, S. 2021. "Reworking AI: Using Ethnography and Design Inquiry to Illuminate the Sociotechnical Work of Automation." For the panel, "AI and Feminist STS," 4S Annual Meeting 2021, Toronto, CA/Virtual.

Fox, S., Eslami, M., Cook, K. 2021. "Coded Bias." Just Films Series, Chatham University.

Fox, S., Harrington, C., McElroy, E., Wong, R. 2021. "Death to Method, Long Live Method!" PhD by Design Symposium, New York University.

Shorey, S. and Fox, S. 2020. "'Robots Can't Get Sick': Media Reporting on the Automation of Waste Labor Before and During the COVID-10 Pandemic." Discard Studies Conference.

Fox, S. 2020. "Remaking Otherwise: Radical Care, Coalitional Survival, and Design in Times of Crisis." Institute for Social Science, Newcastle University, United Kingdom.

Fox, S., Fugiglando, U., Ydreskog, L., Sikkut, S., Forslund, D., Lindeberg, S. 2019. "Public sector & society digitalization." Digitalize in Stockholm, Stockholm, Sweden.

Fox, S. 2019. "Managerial Visions." IxD Lab Talk, IT University of Copenhagen, Copenhagen, Denmark.

Fox, S. 2019. "Looking Out from the Stall." K3 Research Seminar, School of Arts and Communication, Malmö University, Malmö, Sweden.

Fox, S. 2019. "Looking Out from the Stall." Aarhus University, Aarhus, Denmark.

Fox, S. 2019. "Looking Out from the Stall." Umeå Institute of Design, Umeå, Sweden.

Back, J., Branham, S., Fox, S., Su, N. "Designing Change and Changing Design: Balancing the Tension Between the Values of Designers and Pressures of Capitalism," Panel at the *ACM Conference on Designing Interactive Systems 2019* (DIS 2019), San Diego, CA.

Fox, S. 2019. "Managerial Visions." Science Studies Colloquium, University of California, San Diego.

Fox, S. 2019. "Complicating the Smart City: Tools to open up the design of networked sensing to those who work, dwell and govern in the city." Mozilla, Berlin, Germany.

Dillahunt, T., Fox, S., Hirsch, T., Sengers, P., Yoo, D. 2018. "Designing for Social Change." Panel at the *ACM Conference on Designing Interactive Systems 2018* (DIS 2018), Hong Kong.

Fox, S. 2018. "Managerial Visions." Berkeley Institute of Design Seminar Series, University of California, Berkeley.

Fox, S. 2018. "Looking Around, Rather than Ahead: Design at the Periphery of Contemporary High Tech Development." School of Information Dean's Lecture, University of California, Berkeley.

Fox, S. 2018. "Looking Around, Rather than Ahead: Design at the Periphery of Contemporary High Tech Development." Information Science Colloquium, Cornell University.

Fox, S., Tran, B., Choi, L. 2017. "The Catalogue of Partial Things and Other Pericapitalist Endeavors." Intel Labs, Hillsboro, OR.

Fox, S. 2017. "Maintaining the Menstruating Body: Collective care, 'self-governance' and stronghold legacies of maintenance regimes." For the track "Sensing the Liveliness of Things and the Fragility of Life: Bringing Care and Maintenance Together," 4S Annual Meeting 2017, Boston, MA.

Fox, S. 2016. "Casting a Feminist Eye on Public Infrastructure." For the track "Feminist Technoscience Studies in Unexpected Places: (Intra)Activism and Social Justice," 4S/ EASST Annual Meeting 2016, Barcelona, Spain.

Fox, S. 2016. "Digital interventions on Cartographic Visibility: Reflecting on and circulating socio-spatial differences through digital systems." Data Science Institute at the University of Washington, Seattle, Wa.

Fox, S. 2016. "Feminist Hacking." *signal/noise: A FemTechNet conference on Feminist Pedagogy, Technology, Transdisciplinarity*, Ann Arbor, MI.

Fox, S. 2015. "Hacking Culture, Not Devices: Access & Recognition in Feminist Hackerspaces." Open Lab (formerly Culture Lab) at Newcastle University, Newcastle, United Kingdom.

Fox, S. 2015, "Feminist Design in Feminist Hackerspaces." *'I Love To You': Critical Wikipedia Edit-a-thon*, University of Washington, Seattle, Wa.

Fox, S. 2014, Feminist Hackerspaces. *National Center for Women & Information Technology Summit on Women and IT*, Newport Beach, Ca.

Fox, S. 2009, *Rock Reporting in the Digital Age* (part of the exhibit *Free Press in Free Fall*). Athens Institute for Contemporary Art, Athens, Ga.

*Workshop, Special
Interest Group, and
Panel Proposals*

Karusala, N., Ch, N., Tosca, D., Ansah, A., Brulé, E., Fereydooni, N., Huang, E., Ismail, A., Jain, P., Khoo, Y., Munoz, I., Schartmüller, C., Verma, H., Vyas, P., Boll, S., **Fox, S.**, Raval, N., Wilson, M., Cox, A., Janssen, C., Mentis, H., Kumar, N., Shaer, O., Kun, A. "Human-Computer Interaction and the Future of Work." Special Interest Group at the *ACM Conference on Computer Human Interaction 2022 (CHI 2022)*. New Orleans, LA.

Bellini, R., Leal, D., Dixon, H., **Fox, S.**, Strohmayer, A. "There is no justice, just us": Making mosaics of justice in social justice. Human-Computer

Interaction” Workshop at the *ACM Conference on Computer Human Interaction 2022 (CHI 2022)*. New Orleans, LA.

Fox, S., Khovanskaya, V., Crivellaro, C., Salehi, N., Dombrowski, L., Kulkarni, C., Irani, L., Forlizzi, J. 2020. Worker-Centered Design: Expanding HCI Methods for Supporting Labor. Workshop at the *ACM Conference on Computer Human Interaction 2020 (CHI 2020)*. Honolulu, HI.

Feinberg, M., **Fox, S.**, Hardy, J., Steinhardt, S., Vaghela, P. 2019. At the Intersection of Culture and Method: Designing Feminist Action. Workshop at the *ACM Conference on Designing Interactive Systems 2019 (DIS 2019)*. San Diego, CA.

Talhok, R., Morrissey, K., **Fox, S.**, Pantidi, N., Simpson, E., Michie, L., Balaam, M. 2018. Human Computer Interaction & Health Activism. Special Interest Group at the *ACM Conference on Human Factors in Computing Systems 2018 (CHI 2018)*, Montreal, Canada.

Fox, S. 2017. Maintenance and the Menstruating Body: A design workshop toward feminist interventions on public infrastructure. Workshop at the *Society for Menstrual Cycle Research Conference 2017*. Atlanta, GA.

Fox, S., Dimond, J., Irani, L., Hirsch, T., Muller, M., Bardzell, S. 2017. Social Justice and Design: Power and oppression in collaborative systems. Panel at the *ACM Conference on Computer Supported Cooperative Work 2017 (CSCW 2017)*. Portland, OR.

Fox, S., Menking, A., Steinhardt, S. Hoffman, A. L., Bardzell, S. 2017. Imagining Intersectional Futures: Feminist approaches in CSCW. Workshop at the *ACM Conference on Computer Supported Cooperative Work 2017 (CSCW 2017)*. Portland, OR.

Fox, S., Asad, M., Lo, K., Dimond, J., Dombrowski, L., Bardzell, S. 2016. Exploring Social Justice, Design, and HCI. Workshop at the *ACM Conference on Human Factors in Computing Systems 2016 (CHI 2016)*, San Jose, CA.

Fox, S., Kitner, K., Morris, M., and Rosner, D. 2015. Inviting Participation through IoT: Experiments and Performances in Public Spaces. Workshop at the fifth decennial *Aarhus conference, Critical Alternatives*, Aarhus, Denmark.

Allied Media Conference 2013, *Speculative Design of Technology for Activism*, with Mariam Asad. Workshop facilitated the co-design of speculative technologies for activism. Detroit, MI.

Patents

Zafiroglu, Alexandra C., Jennifer A. Healey, Juan I. Correa, Maria Paula Saba Dos Reis, Alejandro Abreu, Victoria S. Fang, Dalila Szostak, and Sarah E. Fox. Orchestrating autonomous movements of parked vehicles to optimize parking efficiency. US9449512 B2, filed March 26, 2014, and issued September 20, 2016.

Szostak, Dalila, Jose K. Sia JR, Victoria S. Fang, Alexandra C. Zafiroglu, Jennifer A. Healey, Sarah E. Fox, Juan I. Correa, Alejandro Abreu, and Maria Paula Saba Dos Reis. Systems and methods for augmented reality in a head-up display. US20150175068 A1, filed December 20, 2013, and issued June 25, 2015.

GRANTS

Block Center for Technology and Society, 2022-23

PI: Sarah Fox, Co-PIs: Chinmay Kulkarni and Jodi Forlizzi

“Regulating automation to ensure worker health and safety in the hospitality sector”

Award Amount: \$30,000

Public Interest Technology University Network, 2022-23

PI: Sarah Fox, Co-PIs: Michael Skirpan, Rayid Ghani, Hong Shen, and Motahhare Eslami

“Developing Community-Led & Equity-Focused Public Interest Technology Curriculum”

Award Amount: \$89,457

NSF Future of Work at the Human-Technology Frontier, 2021-25

PI: Jodi Forlizzi, Co-PIs: Sarah Fox, Chinmay Kulkarni

“Upskilling hospitality workers and re-designing workplaces for the future of automation”

Award Amount: \$1,535,074 (including collaborating institutions: \$2,500,000)

NSF Smart and Connected Communities - Planning, 2021-22

PI: Sarah Fox, Co-PIs: Nik Martelaro, Jodi Forlizzi, Patrick Carrington

“Equitable new mobility: Community-driven mechanisms for designing and evaluating personal delivery device deployments”

Award Amount: \$150,000

Mobility21 University Transportation Center, 2021-22

PI: Sarah Fox, Co-PIs: Nik Martelaro, Jodi Forlizzi, Patrick Carrington

“Designing the Future of Transit Work”

Award Amount: \$100,000

Mobility21 University Transportation Center, 2021-22

PI: Patrick Carrington, Co-PIs: Sarah Fox, Nik Martelaro, Jodi Forlizzi

“Developing data collection systems to support community-driven integrated mobility services”

Award Amount: \$100,000

US Department of Transportation, 2021-22

PI: Nik Martelaro, Co-PIs: Patrick Carrington, Sarah Fox, Jodi Forlizzi

“Promoting personal control of AVs through inclusive smartphone communication interfaces”

Award Amount: \$300,000

NSF Future of Work at the Human-Technology Frontier - Planning, 2020-21

PI: Jodi Forlizzi, Co-PI: Mark Kamlet, Howard Choset, George Kantor, Chinmay Kulkarni, Sarah Fox

“Building a Skilled Technological Workforce in the Hospitality Service Industry of the Future”

Award Amount: \$146,000

Computing Research Association, 2020-2022

PI: Sarah Fox, Computing Innovation Fellow: Alex Ahmed

Award Amount: \$255,213

NSF RAPID, 2020-22

PI: Sarah Fox, Co-PI: Samantha Shorey

“The Transformation of Essential Work: Managing the Introduction of AI in Response to COVID-19”

Award Amount: \$215,989

Block Center for Technology and Society, 2020-21

PI: Sarah Fox, Co-PIs: Chinmay Kulkarni and Jodi Forlizzi

“Co-Developing Automation Policy for the Post-COVID Hospitality Industry”

Award amount: \$60,000

Center for Technology, Society & Policy, 2019-20

PI: Noura Howell, Co-PIs: Sarah Fox, Richmond Wong, and Franchesca Spektor

Award amount: \$6,000

Center for Technology, Society & Policy

Center for Long-Term Cybersecurity, 2018-19

PI: Noura Howell, Co-PIs: Sarah Fox and Richmond Wong

Award amount: \$6,000

Center for Long-Term Cybersecurity, 2017-18

PI: James Pierce, Co-PIs: Sarah Fox, Nick Merrill, and Richmond Wong

Award Amount: \$10,000

2H12 Nokia Global University Funding, Nokia Corporation, 2012-13

PIs: Sarah Fox and Tom Jenkins

Award Amount: \$3,200

TEACHING

Primary Instructor

Ethics & Policy Issues in Computing (05-4/641)

Human-Computer Interaction Institute and Institute for Software Research (CMU)

Spring 2022

Interaction Design Studio 1 (05-651)

Human-Computer Interaction Institute (CMU)

Fall 2021

Interaction Design Studio 2 (05-650),
Human-Computer Interaction Institute (CMU)
Spring 2021

Justice, Equity, Diversity, and Inclusion (JEDI) in HCI (05-589 / 05-689)
Developed and co-taught with Alex Ahmed, Cynthia Bennett, Judeth Choi, Erica Cruz,
Ken Holstein, and Geoff Kaufman
Human-Computer Interaction Institute (CMU)
Spring 2021

Advanced Topics: Design Research Methods (HCDE 548),
co-taught with Daniela Rosner
Department of Human Centered Design & Engineering (UW)
Spring 2017

Directed Research: Feminist Theory & Critical Disability Studies (HCDE 496),
co-taught with Cynthia Bennett
Department of Human Centered Design & Engineering (UW)
Spring 2016

Directed Research: Design Studies (HCDE 496)
Department of Human Centered Design & Engineering (UW)
Winter 2016

Teaching Assistant

Explorations in Human Centered Design (HCDE 210),
Professor Jennifer Turns, Andrew Davidson
Department of Human Centered Design & Engineering (UW)
Fall 2016, Winter 2017

Visual Communication (HCDE 508), Professor Daniela Rosner
Department of Human Centered Design & Engineering (UW)
Spring 2015

Directed Research: Design as Inquiry (HCDE 496), Professor Daniela Rosner
Department of Human Centered Design & Engineering (UW)
Winter 2015-Fall 2015, Winter 2016, Spring 2017, Fall 2017-Spring 2018

Guest Lecturer

Designing AI and Societal Systems, Dietrich College of Humanities and Social Sciences.
Carnegie Mellon University, Spring 2022, Instructor: Rayid Ghani
Connected Communities (graduate), School of Architecture,
Carnegie Mellon University, Fall 2021, Instructor: Daragh Byrne

Introduction to Human-Computer Interaction (undergraduate), Human-Computer
Interaction Institute, Carnegie Mellon University, Spring 2021, Instructor: Amy Ogan

Research Methods for Design (graduate), School of Design, Carnegie Mellon University,
Spring 2020, Instructors: Sofia Bosch Gomez and Hajira Qazi

Interaction Design II (graduate), Human-Computer Interaction Institute, Carnegie Mellon University, Spring 2020, Instructors: Paul Pangaro and Sara Blumenstein

Transforming Cities: Smart Cities and Technology (undergraduate + graduate), Carnegie Mellon University and the University of Pittsburgh, Spring 2020, Instructors: Korryn Mozisek and Veronica Dristas

HCI Capstone (graduate), Human-Computer Interaction Institute, Carnegie Mellon University, Spring 2020, Instructor: Skip Shelly

Critical Design Practice (undergraduate), Department of Communication, University of California, San Diego, Spring 2019, Instructor: Lilly Irani

Politics of Bodies: Disability Studies (undergraduate), Department of Communication, University of California, San Diego, Winter 2019, Instructor: Louise Hickman

Critical Making (undergraduate + graduate), Jacobs Institute for Design Innovation, UC Berkeley, Spring 2018, Instructor: Eric Paulos

Research Design (graduate), School of Information, University of Washington, Fall 2017, Instructor: Alexis Hiniker

Design & Management of Complex Information & Communication Systems (graduate), Department of Human Centered Design & Engineering, University of Washington, Fall 2017, Instructors: Mark Haselkorn and Robin Mays

Explorations in Human Centered Design (undergraduate), Department of Human Centered Design & Engineering, University of Washington, Fall 2017, Instructor: Jennifer Turns

Theoretical Foundations (graduate), Department of Human Centered Design & Engineering, University of Washington, Spring 2017, Instructor: Brook Sattler

Design Methods (undergraduate), School of Art + Art History + Design, University of Washington, Winter 2017, Instructor: Audrey Desjardins

Theoretical Foundations (graduate), Department of Human Centered Design & Engineering, University of Washington, Spring 2016, Instructor: Robert Racadio

Foundations of Human Centered Design and Engineering (undergraduate), Department of Human Centered Design & Engineering, University of Washington, Winter 2016, Instructor: Toni Ferro

DIY Science (graduate), School of Arts, Media, and Engineering, Arizona State University, Fall 2015, Instructor: Stacey Kuznetsov

Critical Practices: People Places Participation (undergraduate +graduate),
Jacobs Institute for Design Innovation, UC Berkeley, Fall 2015,
Instructors: Eric Paulos and Jill Miller

RESEARCH ACTIVITIES

Organizing

University of Washington ACM SIGCHI Student Chapter, 2014-2017 *Design and Technology Lecture Series*. Lecture series featuring graduate students and junior faculty in HCI, Design, and related fields.

Seattle Design Festival 2015, *Equity through Design Practice*. A panel discussion about various approaches that do and could exist to support critical engagement with equity in the field of design.

Georgia Tech, 2012-2014, *Nokia Invited Lecture Series on Mobile and Future Technologies*, with Tom Jenkins. Lecture series featured graduate students in HCI and related fields.

Invited Workshops

Computing Research Association, Career Mentoring Workshop, Washington DC, February 2022.

Social Computing Summer Camp (as Mentor), June 2021

Cities Coalition for Digital Rights' Applied Digital Rights Workshop, March 2021

Future Digileaders 2019, KTH, Stockholm, Sweden, November 2019

Underexposed Design Residency, Berlin, Germany, January 2019

Computing Research Association, Early Career Mentoring Workshop, Phoenix, AZ, November 2018

DIS 2018 Doctoral Consortium, Hong Kong, China, June 2018

CSCW 2017 Doctoral Colloquium, Portland, Or., February 2017

(Post-)graduate STS studies "by other means" workshop, 4S/EASST conference, Barcelona, Spain, August 2016

Science and Technology Studies + Design Workshop, Center for Science, Technology, Medicine and Society, University of California, Berkeley, May 2016

Computing Research Association-Women, Grad Cohort Workshop 2016

Creativity & Cognition 2015 Graduate Student Symposium, Glasgow, UK, June 2015

SELECTED PROFESSIONAL EXPERIENCE

<i>Summer 2016</i>	Google , Mountain View, Ca. <i>User Experience Research Intern</i>
<i>Summer 2014</i>	Microsoft Research , Cambridge, UK. <i>Research Intern</i>
<i>Summer 2013</i>	Intel Labs , Santa Clara, Ca. <i>User Experience Design Intern</i>

ACADEMIC SERVICE

<i>Editor</i>	Forum Editor. “Tech Labor,” ACM <i>Interactions</i> magazine, 2021- Editor, Special Issue on “(Re)Connecting History to the Theory and Praxis of HCI,” ACM Transactions on Computer-Human Interaction (TOCHI), Forthcoming December 2022
<i>Advisory Board</i>	Advisory Board Member and Affiliated Faculty, National Institutes of Health (NIH) grant 3T32NR008857-14S1, “Equity Design Thinking: Preparing Scientists to Design Health Technologies that Prioritize Equity and Inclusion,” 2020-22 PI: Annette Dabbs, University of Pittsburgh
<i>Department & University Committees</i>	Awards Committee, CMU HCII, 2021- Design Curriculum Co-Chair, CMU HCII, 2021- Faculty Hiring Committee, CMU HCII, 2020-1 Diversity and Inclusion Committee, CMU HCII, 2020- <ul style="list-style-type: none">- Equity and Justice Reading Group (Lead), 2020-- Accessibility Resources Subcommittee (Lead), 2020-- Black Lives Matter Subcommittee (Member), 2020- Undergraduate Admissions Committee, CMU HCII, entering Fall 2020 Research Experiences for Undergraduates (REU) Selection Committee, CMU HCII, Summers 2021, 2022 TartanHacks Faculty Judge, CMU, 2022
<i>Conference Organizing</i>	Papers Chair, Symposium on Computer-Human Interaction for Work (CHIWORK) 2022. Technical Program Chair, ACM Conference on Designing Interactive Systems (DIS) 2021. Program Chair, EUSSET Conference on Communities and Technologies (C&T) 2021. Program Committee, ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT) 2022

Program Committee (Associate Papers Chair), ACM Conference on Human Factors in Computing Systems (CHI) 2019-2022

Program Committee (Associate Papers Chair), ACM Conference on Designing Interactive Systems (DIS) 2017-2020; 2022

Program Committee (Associate Pictorials Chair), ACM Conference on Designing Interactive Systems (DIS) 2020

Program Committee, ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW) 2019

Program Committee, EUSSET European Conference on Computer-Supported Cooperative Work (ECSCW) 2019

Program Committee, ACM Conference on Tangible, Embodied and Embedded Interaction (TEI) 2019

Program Committee, Design Educators Research Conference (Decipher) 2018

Workshop Program Committee, ACM Conference on Human Factors in Computing Systems (CHI) 2017

Late Breaking Work Program Committee, ACM Conference on Human Factors in Computing Systems (CHI) 2017

Peer Reviewing

National Science Foundation (NSF), Divisions: AISL, CISE, SBE, STS
Austrian Science Fund (FWF)

ACM Conference on Human Factors in Computing Systems (CHI) 2013-2022

ACM Computer Supported Collaborative Work (CSCW) 2015-2021

ACM Designing Interactive Systems (DIS) 2014, 2016-2021

ACM Participatory Design Conference (PDC) 2014

ACM Creativity & Cognition (C&C) 2015, 2017

ACM Tangible, Embedded and Embodied Interaction (TEI) 2016, 2019

ACM MobileHCI 2018

ACM Group 2020

ACM Human-Robot Interaction 2020

EUSSET European Conference on Computer-Supported Cooperative Work 2019

Design Issues

New Media & Society

Feminist Theory

Journal of Peer Production

ACM Transactions on Computer-Human Interaction (TOCHI)

Computer Supported Cooperative Work (CSCW) Journal

Interaction Design and Architecture(s) Journal (IxD&A)

International Journal of Human-Computer Studies

Palgrave Macmillan
MIT Press

AWARDS & RECOGNITION

- 2021 **DIS Best Paper Honorable Mention Award**, “Accessibility and The Crowded Sidewalk: Micromobility’s Impact on Public Space” DIS’21
- Special Recognition for Outstanding Reviewing**, ACM CSCW
- 2020 **DIS Best Paper Honorable Mention Award**, “Crafting Everyday Resistance through Lightweight Design” DIS’20
- 2019 **CHI Best Paper Award**, “Managerial Visions: Stories of upgrading and maintaining the public restroom with IoT” CHI’19
- Special Recognition for Outstanding Reviewing**, ACM DIS
- Future Digileader**, KTH Royal Institute of Technology
- Center for Technology, Society & Policy and Center for Long-Term Cybersecurity Joint Fellow**, University of California, Berkeley
- Underexposed Design Fellow**, Simply Secure
Residency in Berlin, Germany for designers, technologists, researchers, policy experts whose work focuses on topics of ethics and technology, responsible artificial intelligence, and internet freedom.
- 2018 **DIS Best Paper Honorable Mention Award**, “Beyond the Prototype: Maintenance, Collective Responsibility, and Public IoT” DIS’18
- Special Recognition for Outstanding Reviewing**, ACM CHI
- Graduate Innovation Award**, Human Centered Design & Engineering
Recognizes one student who has demonstrated excellence through the design and development of novel artifacts or practices that exemplify human-centered design.
- Center for Technology, Society & Policy and Center for Long-Term Cybersecurity Joint Fellow**, University of California, Berkeley
- 2017 **Human Computer Interaction Consortium**
Invitation and funding to attend summer research institute on behalf of UW
- Graduate Research Award**, University of Washington
The graduate student research award recognizes excellence in scholarship, evaluated through publications, external recognition, invited presentations, and innovation (recognizing one student per department).

2016	<p>ACM Computing Reviews' 21st Annual Best of Computing: Notable Books and Articles, for "Social Justice-Oriented Interaction Design: Outlining Key Design Strategies and Commitments," <i>DIS'16</i></p> <p>UW HCDE Departmental Funding for the UW SIGCHI Lecture Series \$1050 funding to host invited lectures by emerging HCI and Design Research scholars</p> <p>DIS Best Paper Award, "Social Justice-Oriented Interaction Design: Outlining Key Design Strategies and Commitments," <i>DIS'16</i></p> <p>CHI Best Paper Honorable Mention Award, "Continuing the Dialogue: Bringing Research Accounts Back into the Field," <i>CHI'16</i></p>
2015	<p>CSCW Best Paper Award, "Strangers at the Gate: Gaining Access, Building Rapport, and Co-Constructing Community-Based Research," <i>CSCW '15</i></p>
2014	<p>Travel Award, Graduate School Fund for Excellence and Innovation, UW \$150 travel funding to present at research conference</p> <p>Travel Award, Human Centered Design & Engineering, UW \$300 travel funding to attend research conference</p>
2013	<p>Graduate Fellowship, University of Washington \$3,000 award upon entrance into the HCDE doctoral program</p> <p>Travel Award, Digital Media Department, Georgia Tech \$500 travel funding to attend research conference</p> <p>Travel Award, GVI Center, Georgia Tech \$500 travel funding to attend research conference</p>
2012-2013	<p>Intel Science and Technology Center for Social Computing Graduate Research Award, Intel Corporation</p>
2011	<p>Segal Education Award, The Corporation for National and Community Service \$5,350.00 award received upon successful completion of AmeriCorps term of service</p>
2005-2009	<p>Hope Scholar, University of Georgia Full tuition scholarship, fee waivers, and stipend for 4 years</p> <p>Presidential Scholar, University of Georgia</p>

PRESS COVERAGE

Vice, Mashable, Pittsburgh Post-Gazette, Yes! Magazine, Risk Management Magazine, Mass Transit Magazine