

Sarah Fox

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EDUCATION

2013 - 2018 (expected)

Ph.D. Human Centered Design & Engineering
M.Sc. Human Centered Design & Engineering
Graduate Certificate in Science, Technology, & Society Studies

University of Washington, Seattle, Wa.

Committee: Daniela Rosner (Chair), Carl DiSalvo, Tad Hirsch, Charlotte Lee, David Ribes

2011 - 2013

M.Sc. Digital Media

Georgia Institute of Technology, Atlanta, Ga.

2005 - 2009

B.A. Film Studies

B.A. English

B.A. Telecommunication Arts

University of Georgia, Athens, Ga.

RESEARCH

2018- present

University of California, Berkeley, Ca.

Visiting Scholar (with Eric Paulos)

Conducting design research on cybersecurity toolkits and biosensing technologies.

2015 - present

University of Washington, Seattle, Wa.

Graduate Research Assistant (with Daniela Rosner)

Examining the internet of things (IoT) and infrastructures of care through ethnographic fieldwork, participatory design, and electronics prototyping.

2013-2015

Studied the socio-cultural aspects of maker and hacker cultures through ethnographic fieldwork, design practice, and cultural theory.

Summer 2016

Google, Mountain View, Ca.

User Experience Research Intern (with Allison Woodruff)

Conducted qualitative research on algorithmic discrimination with the Privacy Research and Design group at Google Research.

Summer 2014

Microsoft Research, Cambridge, UK.

Research Intern (with Alex Taylor)

Investigated the role of technology in communal urban living through ethnographic fieldwork for the Human Experience and Design group.

Summer 2013

Intel Labs, Santa Clara, Ca.

User Experience Design Intern (with Victoria Fang and Jay Melican)

Designed, rapidly developed, and tested prototypes that explored future technology experiences for Interaction & Experience Research (IXR).

2012 - 2013

Intel Science & Technology Center for Social Computing, Georgia Tech

Graduate Researcher

Conducted ethnographic fieldwork and facilitated the co-design of technology within Atlanta communities.

PROFESSIONAL EXPERIENCE

2011-2012

Georgia Tech, Institute for People and Technology (IPaT)

Graduate Research Assistant

Produced video documentation of research initiatives across departments.

2010-2011

Georgia Center for Nonprofits, Atlanta, Ga.

Digital Media Coordinator

Implemented cross-browser compatible pages from graphic design work for multiple lines of business.

2010-2011

Georgia Perimeter College, Clarkston, Ga.

Digital Media Assistant

Taught courses on media tools and applications and provided one-on-one technical support to students.

PUBLICATIONS

Journal articles

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.

Rosner, D., **Fox, S.** 2016. "Legacies of craft and the centrality of failure in a mother-operated hackerspace." *New Media and Society* Vol. 18(4) 558-580.

Book chapters

Fox, S. 2018. "Reconfiguring Culture/Technology: Feminist Approaches to Design and Engineering." *The Field Guide to Hacking*, Ed. Poon, M. Design Trust: Hong Kong.

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.

Peer-reviewed conference papers

Fox, S., Silva, R., Rosner, D. 2018. "Beyond the Prototype: Maintaining Collective Responsibility with Public IoT," In the *Proceedings of the ACM Designing Interactive Systems Conference 2018 (DIS 2018)*, Hong Kong, China.

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 2018)*, Hong Kong, China.

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 2018)*, Montreal, Canada.

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 2018)*, Montreal, Canada.

Porter, J., Sobel, K., **Fox, S.**, Bennett, C., Kientz, J. 2018. Filtered Out: Disability Disclosure Practices in Online Dating Communities. In the *Proceedings of the ACM Conference on Computer Supported Cooperative Work 2018 (CSCW 2018)*, New York, NY.

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 2016)*, Brisbane, Australia.
Best Paper Award.

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 2016)*, Brisbane, Australia.

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 2016)*, San Jose, California.
Best Paper Honorable Mention Award.

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 2015)*, Vancouver, Canada.

Le Dantec, C., **Fox, S.** 2015. Strangers at the Gate: Gaining Access, Building Rapport, and Co-Constructing Community-Based Research. In the *Proceedings of CSCW 2015*, Vancouver, Canada.
Best Paper Award.

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 2014)*, Vancouver, Canada.

Asad, M., **Fox, S.**, Le Dantec, C. 2014. Speculative Activism Technologies. In the *Proceedings of iConference 2014*, Berlin, Germany.

- Magazine articles* Shorey, S., **Fox, S.**, Dew, K. "Glimmers and Half Built Projects." *interactions* 24.6 (2017): 78-81.
- Fox, S.**, and Rosner, D. "Extensions from the 'field': exploring alternative methods of research communication." *interactions* 23.4 (2016): 68-71.
- Position papers* **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., 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

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, Georgia.

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, Oregon.

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, Oregon.

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, California.

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, Michigan.

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.

TEACHING

Primary Instructor

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, Spring 2015, Fall 2015, Winter 2016, Spring 2017

Guest Lecturer

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, Instructor: 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 & Doctoral Consortia

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

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

SERVICE

<i>Founder & Chair</i>	University of Washington Association for Computing Machinery SIGCHI Student Chapter, 2014-present
<i>Executive Board</i>	WUOG 90.5 FM, University of Georgia, 2008-2009
<i>Departmental Committee</i>	Sole student representative on the hiring committee for two tenure track faculty positions in the UW Human Centered Design & Engineering, 2016-2017 Sole student representative on the admissions committee for the UW Human Centered Design & Engineering undergraduate class entering Fall 2015
<i>Associate Chair</i>	ACM Designing Interactive Systems (DIS), 2017. ACM Designing Interactive Systems (DIS), 2018.
<i>Program Committee</i>	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
<i>Reviewer</i>	ACM Conference on Human Factors in Computing Systems (CHI) 2013-2018 ACM Computer Supported Collaborative Work (CSCW) 2015-2018 ACM Designing Interactive Systems (DIS) 2014, 2016-2018 ACM Participatory Design Conference (PDC) 2014 ACM Creativity & Cognition (C&C) 2015, 2017 ACM Tangible, Embedded and Embodied Interaction (TEI) 2016 ACM MobileHCI 2018 Journal of Peer Production Interaction Design and Architecture(s) Journal (IxD&A) International Journal of Human-Computer Studies
<i>Student Volunteer</i>	Society for Social Studies of Science (4S) Annual Meeting 2018, Boston, MA. ACM Computer Supported Collaborative Work (CSCW) 2016 Program Committee Meeting, Copenhagen, Denmark ACM Conference on Human Factors in Computing Systems (CHI) 2013, Paris, France

SCHOLARSHIPS, GRANTS & AWARDS

2018	Center for Technology, Society & Policy and Center for Long-Term Cybersecurity Joint Fellow , University of California, Berkeley, for “Menstrual Biosensing Survival Guide,” PI: Noura Howell, Co-PIs: Sarah Fox and Richmond Wong
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- 2017 **Center for Long-Term Cybersecurity Seed Grant**, University of California, Berkeley, for “Toolkits for/of the Future: A Human-Centered Computing and Design Research Approach,” PI: James Pierce, Co-PIs: Sarah Fox, Nick Merrill, and Richmond Wong
- Human Computer Interaction Consortium**
Invitation and funding to attend summer research institute
- University of Washington Student Research Award** (one per department)
- 2016 **ACM Computing Reviews’ 21st Annual Best of Computing:** Notable Books and Articles, for “Social Justice-Oriented Interaction Design: Outlining Key Design Strategies and Commitments,” *DIS’16*
- UW HCDE Departmental Funding** for the UW SIGCHI Lecture Series
\$1050 funding to host invited lectures by emerging HCI and Design Research scholars
- DIS Best Paper Award**, “Social Justice-Oriented Interaction Design: Outlining Key Design Strategies and Commitments,” *DIS’16*
- CHI Best Paper Honorable Mention Award**, “Continuing the Dialogue: Bringing Research Accounts Back into the Field,” *CHI’16*
- 2015 **CSCW Best Paper Award**, “Strangers at the Gate: Gaining Access, Building Rapport, and Co-Constructing Community-Based Research,” *CSCW ’15*
- 2014 **Travel Award**, Graduate School Fund for Excellence and Innovation, UW
\$150 travel funding to present at research conference
- Travel Award**, Human Centered Design & Engineering, UW
\$300 travel funding to attend research conference
- 2013 **Graduate Fellowship**, University of Washington
\$3,000 award upon entrance into the HCDE doctoral program
- Travel Award**, Digital Media Department, Georgia Tech
\$500 travel funding to attend research conference
- Travel Award**, GVI Center, Georgia Tech
\$500 travel funding to attend research conference
- 2012-2013 **Intel Science and Technology Center for Social Computing Graduate Research Award**, Intel Corporation
- 2H12 Nokia Global University Funding**, Nokia Corporation
\$3,200 grant to fund an invited lecture series for graduate students in HCI and related fields
- 2011 **Segal Education Award**, The Corporation for National and Community Service
\$5,350.00 award received upon successful completion of AmeriCorps term of service

2005-2009

Hope Scholar, University of Georgia

Full tuition scholarship, fee wavers, and book stipend for 4 years

Presidential Scholar, University of Georgia

Dean's List, University of Georgia