

* * * * Jen Liu * * * *

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EDUCATION

- 2018 – present Ph.D, Information Science
Cornell University, Ithaca, NY
- 2015 – 2017 Master of Tangible Interaction Design
Carnegie Mellon University, Pittsburgh, PA
Thesis: “Field Computing: Tools for Collaborative Survival”
- 2008 – 2012 BFA Fiber, summa cum laude
Maryland Institute College of Art, Baltimore, MD

RESEARCH EXPERIENCE

- 2020 – present Graduate Research Assistant (advised by Phoebe Sengers)
NSF #1955125: Understanding and Improving the Social Impact of High-
Bandwidth Farm Networking Infrastructure
Information Science, Cornell University
- Summer 2019 Graduate Summer Researcher
Cornell Initiative for Digital Agriculture
- 2018 – present Graduate Researcher (advised by Steven Jackson)
Information Science, Cornell University
- 2017 – 2018 Research Assistant
College of Engineering, University of Colorado, Boulder
- Summer 2016 Smart Textile Design and Engineering Intern
Welspun USA, Pittsburgh, PA and New York, NY
- 2015 – 2017 Research Assistant, Learning Media Design Center
Carnegie Mellon University
NSF Grant: #1623969 with P.I. Marti Louw

PROFESSIONAL EXPERIENCE

- 2013 – 2015 DIY Manager, Education and Outreach Department
Maryland Science Center, Baltimore, MD
- 2012 – 2014 Workshop Leader / Maker-in-Residence
FutureMakers, Baltimore, MD

PUBLICATIONS

Refereed Articles

(*Forthcoming*) **Jen Liu** and Phoebe Sengers. “Envisioning Legibility in Digital Agriculture.” CSCW ’21 Proceedings.

Joselyn McDonald*, Siyan Zhao*, **Jen Liu***, Michael Riviera. “MaxiFab: Applied Fabrication to Advance Menstrual Technologies”. DIS Works in Progress: Proceedings of the 2018 Designing for Interactive Systems Conference (DIS). Hong Kong, China. *contributed equally

Jen Liu, Daragh Byrne, Laura Devendorf, “Designing for Collaborative Survival: An Inquiry into Human-Fungi Relationships”. CHI ’18 Proceedings. Montreal, Canada. **Best Paper Award**

Jen Liu. “Field Computing: Wearable Devices for Citizen Science Applications”. TEI Works in Progress: Proceedings of the 2017 Tangible, Embedded and Embodied Interaction Conference, Yokohama, Japan.

Position Papers and Workshop Proposals

Szu-Yu (Cyn) Liu, **Jen Liu**, Kristin Dew, Patrycja Zdziarska, Maya Livio, and Shaowen Bardzell. 2019. Exploring Noticing as Method in Design Research. In Proceedings of the 2019 Designing Interactive Systems Conference: DIS ’19. ACM: New York. (Workshop proposal)

Jen Liu. “From Commodity to Personhood: The Role of Natural Resources in a Post-Capitalist System”. Position paper for “Grand Visions” For a Post-Capitalist HCI workshop. CHI ’18. Montreal, Canada. (Position paper)

Other Published Materials

Jen Liu and Camille Baumann-Jaeger. “Dissenting Jabots”. Disobedient Electronics. Ed. Garnet Hertz. Vancouver. 2017.

Jen Liu. Butt Blinkers. Featured project in Make: Wearable Electronics. Sebastopol: Maker Media. 2014.

INVITED TALKS and PRESENTATIONS

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|------|---|
| 2021 | (<i>forthcoming</i>) “Technologies of Land Dispossession: Digital Agriculture and Legibility.” Networking Rurality Panel, 4S (Society for Social Studies of Science) Annual Meeting |
| 2020 | (<i>interrupted due to COVID-19</i>) “Race to the Bottom: Racial Identity and Implications for Digital Agriculture”. Rurality, Identity, and Digital Technology panel, Rural Sociological Society Meeting |
| 2019 | “Internet of Dirt: Understanding Challenges of Adoption and Maintenance of Digital Agricultural Technologies”. Science Studies Reading Group, Cornell University |
| 2019 | “Internet of Dirt: Maintaining Agricultural IoT Systems”. Information Infrastructures panel, Maintainers III: Practice, Policy, and Care., Gallaudet University |
| 2019 | “Reconsidering the Coalpit”. Critical and Imaginative Restoration Ecologies panel, Dimensions of Political Ecology, University of Kentucky |
| 2018 | “Tools for Collaborative Survival” MALfunction, Media Archaeology Lab, University of Colorado, Boulder |
| 2016 | “Soft Fabrication: A Skills-Based Micro Course”. Teaching and Learning Summit, Carnegie Mellon University |
| 2016 | Invited participant, a2ru Emerging Creative Student Summit, University of Michigan |
| 2014 | “Soft Circuits”. Textile Futures panel, Studio Art Quilt Association. |

TEACHING

Primary Instructor

S16, F16, S17 Soft Fabrication Skills Micro-course (IDeATe 99-352)
Carnegie Mellon University, Co-instructed with Susan Finger

Teaching Assistant

S20 Information Ethics, Law, and Policy (INFO 1200)
Cornell University, Co-Instructors: Steven Jackson & Karen Levy

F19 Human Computer Interaction and Design (INFO 3450)
Cornell University, Instructor: Gilly Leshed

S19 Information Ethics, Law, and Policy (INFO 1200)
Cornell University, Instructor: Steven Jackson

F18 Designing Technologies for Social Impact (INFO 4240)
Cornell University, Instructor: Phoebe Sengers

F15 Hacking the Music World (MUSIC 57-345)
Carnegie Mellon University, Instructor: Jesse Stiles

Guest Lecturer

S18 “Intro to Soft Circuits”, Designing for Curiosity (ATLS 5519)
University of Colorado, Boulder, Instructor: Daniel Leithinger

F17 “Intro to Soft Circuits”, Physical Computing Interfaces (ATLS 4519)
University of Colorado, Boulder, Instructor: Hyunjoo Oh

S14 “Noise Sweater”, Systems Thinking: Smart Textiles (FB 287)
Maryland Institute College of Art, Instructor: Olivia Robinson

Workshops Organizer

2019 “Exploring Noticing as Method in Design Research”, DIS, San Diego, CA, co-organized
with Szu-Yu (Cyn) Liu, Kristin Dew, Patrycja Zdziarska, Maya Livio, and Shaowen Bardzell

2018 “Powered by Muck: A Microbial Fuel Cell Workshop”, Civic Art Lab, New York, NY

2018 “Terms of Subversion: A DIY Terms of Service Creative Coding Workshop”, co-organized
with Brianna Dym, MediaLive Festival, Boulder, CO

2014 “Soft Circuits Public Workshop”, Ripple Gallery, Rockville, MD

2014 “Paper Circuits”, Maryland Art Education Association, Ellicott City, Maryland

2013 “Intro to Soft Circuits”, Interactive Telecommunications Program, New York, NY

SERVICE

Field-based Service

2019 – 2020 Reviewer for ACM Conference on Tangible, Embedded, and Embodied Interaction (TEI)

2017 – 2020 Reviewer for ACM Conference on Human Factors in Computing Systems (CHI)

- 2017 – 2020 Reviewer for ACM Conference on Designing Interactive Systems (DIS)
- 2019 Student Volunteer, ACM Designing Interactive Systems (DIS)

University-based Service

- 2020 – 2021 Seminar Coordinator, Information Science Graduate Student Association, Cornell University
- 2019 – 2021 First year mentor, Information Science Department, Cornell University
- 2019 – 2020 President, Information Science Graduate Student Association, Cornell University
- 2019 – 2020 Visit Day Organizing Committee, Information Science, Cornell University
- 2018 – 2020 Vice President, Cornell Mapping Society, Cornell University
- 2016 Selection Committee, Teaching Innovation Award, Carnegie Mellon University

HONORS, SCHOLARSHIPS, and AWARDS

- 2021 /Art Microgrant recipient, Cornell Tech
- 2020 Critical Perspectives on Disaster Data Research Award, Co-Risk Labs
- 2020 Paul Evans Peters Doctoral Fellowship, Coalition for Networked Information
- 2020 (*interrupted due to COVID-19*) Rural Sociology Society Diversity Travel Grant
- 2020 Graduate School Conference Travel Grant Award, Cornell University
- 2019 Cornell Initiative for Digital Agriculture Summer Stipend Award
- 2019 Graduate School Conference Travel Grant Award, Cornell University
- 2018 ACM CHI 2018 Best Paper Award
- 2018 Partial NEST Grant awardee with Laura Kim, University of Colorado, Boulder
- 2017 Presidential Fellowship, University of Colorado, Boulder
- 2016 Graduate Travel Scholarship, Carnegie Mellon University
- 2016 Frank-Ratchye Fund for Art @ the Frontier Grant, Studio for Creative Inquiry
Carnegie Mellon University
- 2015 Graduate Studies Scholarship, Carnegie Mellon University
- 2013 30 Creative Minds Under 30, Maryland Art Place, Baltimore, MD
- 2008 – 2012 Dean’s List, Maryland Institute College of Art
- 2008 – 2012 Full tuition scholarship, Maryland Institute College of Art
- 2012 Fiber Department Recognition Award, Maryland Institute College of Art
- 2011 Department nominee for Windgate Fellowship
- 2011 Nancy Lee Rhodes Robert ’39 Scholarship, Maryland Institute College of Art
- 2010 Achievement Award, Maryland Institute College of Art
- 2008 U.S. Presidential Scholar in the Arts

SELECTED ART and RESEARCH RESIDENCIES

- 2017 Crafternoon Artist Residency, Assemble, Pittsburgh, PA
- 2016 Artist-in-Residence, Iowa Lakeside Laboratory, Milford, IA
- 2013 Interactive Telecommunications Program Research Fellow, New York University