

❁❁❁ 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

- 2018 – present Graduate Researcher (advised by Steven Jackson)
Information Science, Cornell University
- Summer 2019 Graduate Summer Researcher
Cornell Initiative for Digital Agriculture
- 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

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. “Data HarVest: Physical and Digital Data Collection for Citizen Science”. ISEA ’17 Proceedings. Manizales, Colombia.

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

- 2020 *(forthcoming)* “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: Hyunjoon Oh

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

WORKSHOPS

2019 “Exploring Noticing as Method in Design Research”, DIS, San Diego, CA

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

Paper Reviewer

- 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 Volunteer Positions

- 2019 – 2020 President, Information Science Graduate Student Association, Cornell University
- 2019 – 2020 First year mentor, Information Science Department, 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

- 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 for “Promontory Project”
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 Fellow, New York University
- 2010 Bread and Puppet Theater Apprenticeship, Glover, VT

SELECTED ART EXHIBITIONS

- 2018 I'M NOT WITH HIM, Future Tenant Gallery, Pittsburgh, PA
- 2017 S17 Code Lab Exhibit, Most Wanted Gallery, Pittsburgh, PA
- 2016 It Worked Just a Second Ago, Unblurred, Pittsburgh, PA
- 2016 Sixth Annual Pittsburgh Zine Fair, Union Project, Pittsburgh, PA
- 2015 Get Small 3, Turpentine Gallery, Oakland, CA
- 2015 Open Space 5th Annual Prints and Multiples Fair, Baltimore, MD
- 2013 Ripple, VisArts Gallery, Rockville, MD
- 2013 Open Space 4th Annual Prints and Multiples Fair, Baltimore, MD
- 2012 Digital Legacies of the Avant-Garde, The New School, NYC, NY
- 2012 Small Wonders, Circle Gallery, Annapolis, MD
- 2012 Cloth of Action, Middendorf Gallery, MICA, Baltimore, MD
- 2012 Power Suits, School 33, Baltimore, MD
- 2012 Commencement Exhibition, MICA, Baltimore, MD
- 2012 National Robotfest & DIY Expo, U.S. Science and Engineering Festival, Washington, D.C.
- 2012 Garment Workers, Middendorf Gallery, MICA, Baltimore, MD
- 2011 Juried MICA Undergrad Show, Decker Gallery, MICA, Baltimore, MD
- 2010 Sign Language, Whole Gallery, Baltimore, MD
- 2009 Juried Undergrad Show, Decker Gallery, MICA, Baltimore, MD
- 2008 Presidential Scholars in the Arts: Works in the Visual and Literary Arts, National Portrait Gallery, Washington, DC