

# Michael W. Beach | Curriculum Vitae

Department of Human Centered Design & Engineering  
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## Education

- Sept 2018 - PRESENT **Ph.D. Human Centered Design & Engineering**  
University of Washington, Seattle, WA
- 2014 - 2018 **B.S. Human Centered Design & Engineering**  
**B.A. Comparative History of Ideas**  
University of Washington, Seattle, WA
- 1999 - 2005 **A.A. Psychology**  
State College of Florida-Manatee, Sarasota, FL

## Research

- Jan - Mar 2021 **Research Group Co-Facilitator | The UX of Climate Change: Western Red Cedar Dieback**  
(current) | Directed Research Group  
University of Washington, Seattle, WA  
Co-facilitated research group to conduct user research and rapidly prototype design solutions that will increase community participation in tracking Western red cedar.
- Oct - Dec 2020 **Research Group Lead Facilitator / Designer | POST(-)HUMAN HAZMAT: Design fiction for multispecies care and collaborative survival in cataclysmic climates | Directed Research Group**  
University of Washington, Seattle, WA  
Facilitated and designed co-design research group to explore and translate more-than-human theories and concepts into practice through more-than-human stories in the form of a zine. To learn more please visit:  
<https://michaelwbeach.com/posthumanhazmat/>
- June 2019 - Feb 2020 **UI Designer / Frontend Developer Internship (Extended) | Science Capsule**  
Data Science & Technology Department, Lawrence Berkeley National Laboratory, Berkeley, CA  
Designed and developed frontend UI of a web platform for multi-disciplinary scientific stakeholders based on existing user research data. Science Capsule is a tool that collects, annotates, and analyses live data from LBNL's Beamline experiments at the Advanced Light Source facility.
- June 2018 - Feb 2020 **Graduate Research Assistant (with Charlotte P. Lee) | Sociotechnical Design: Creating a Data Repository for the Study of Marine Ecosystems**  
University of Washington, Seattle, WA  
Conducted ethnographic research and drawing on "action research" and participatory design methods to help a multi-disciplinary group of investigators and scientific stakeholders come together to design and develop shared understandings, priorities, practices, methods, software tools, and computer architectures that will lead to the development of a data repository.
- 2015 - Feb 2020 **Research Assistant (with Charlotte P. Lee) | Model of Coordinated Action (MoCA)**  
University of Washington, Seattle, WA  
Developed a theoretical framework to define and describe coordinated-action. Conducting a retrospective content analysis of CSCW (Computer-Supported Cooperative Work).

## Teaching Experience

- Winter 2020  
(current) **Teaching Assistant**  
HCDE 210 AB & AC: Explorations In Human Centered Design (HCD)  
Kathryn E Shroyer; IoR; Department of Human-Centered Design and Engineering; University of Washington  
Led two undergraduate-level design studios. Led collaborative sprint-style design activities. Helped students overcome obstacles in learning HCD concepts and methods. Gave feedback and graded assignments.
- Autumn 2020 **Teaching Assistant**  
HCDE 518 AD: User-Centered Design  
Sarah Coppolla, Ph.D; Lecturer; Department of Human-Centered Design and Engineering; University of Washington  
Assisted a masters-level course on user-centered design. Graded assignments and gave feedback to students on their user-centered design projects.
- Summer 2020 **Teaching Assistant**  
HCDE 501 A: Theoretical Foundations Of Human Centered Design And Engineering  
Kristin Dew, Ph.D; Lecturer; Department of Human-Centered Design and Engineering; University of Washington  
Assisted a masters-level course on theoretical foundations of HCDE. Graded assignments and gave feedback to students on their usability research projects.
- Spring 2020 **Teaching Assistant**  
HCDE 210 A: Explorations In Human Centered Design (HCD)  
Mitchell Fajardo, Instructor on Record, Department of Human-Centered Design and Engineering, University of Washington  
Led an undergraduate-level design studio. Led collaborative sprint-style design activities. Helped students overcome obstacles in learning HCD concepts and methods. Gave feedback and graded assignments.
- Winter 2020 **Teaching Assistant**  
HCDE 517 B: Usability Studies  
Kristin Dew, Ph.D; Lecturer; Department of Human-Centered Design and Engineering; University of Washington  
Assisted a masters-level course on usability research. Graded assignments and gave feedback to students on their usability research projects.
- Autumn 2019 **Teaching Assistant**  
HCDE 451 A: UX Prototyping Techniques  
Andy Davidson, Senior Lecturer, Department of Human-Centered Design and Engineering, University of Washington  
Assisted an undergraduate-level course on prototyping techniques. Graded assignments and gave feedback to students on their prototyping projects.

## Publications

- June - 2020 Neang, Andrew B., Will Sutherland, **Michael W. Beach**, and Charlotte P. Lee. "Data Integration as Coordination: The Articulation of Data Work in an Ocean Science Collaboration." *Computer Supported Cooperative Work (CSCW)*, (2020).

## Panels

- Nov. 8, 2019 Fox, T., **Beach, M.W.**, Heidi Biggs, and Audrey Desjardins (2019). Speculative Design in Climactic Times. Session 13G: Roundtable. Society for Literature, Science, and the Arts (SLSA), University of California, Irvine.
- Nov. 9, 2019 **Beach, M.W.**, Muindi, M., Young, J., Johnson, G., Sha, X. et al. (2019). Legacies of Cybernetics. Session 19I: Roundtable. Society for Literature, Science, and the Arts (SLSA), University of California, Irvine.

## Presentations

- Feb. 15, 2019 **Beach, M.W.** (2019). Emergent Techno-Botanical Networks: Paracosmic Dreams and Speculative Methods. 3rd Annual Post-Human Network Graduate Student Conference "Legacies of Cybernetics", Arizona

## Workshops

- Nov. 8, 2019 **Beach, M.W.** and Fox, T. (2019). "Speculative Transduction: A Speculative Workshop for Iterating Our Way Through Climate Catastrophe." Society for Literature, Science, and the Arts (SLSA), University of California, Irvine.
- Oct. 26, 2018 Thurtle, P., Mengist, N., and **Beach, M.W.** (2018). "Envisioning Other Worlds: The Place of World Building in a Liberal Arts Education." Comparative History of Ideas (CHID), University of Washington & Center for Philosophical Technologies, Arizona State University. Oct. 26, 2018, Seattle, WA.

## Professional Experience

- 2012 - 2017 **Designer / Developer**  
Team Bubbly  
Digital production agency based in New York City, NY  
Designed, developed mobile & web experiences. Worked closely with marketing specialists, photographers, copywriters, editors, and print houses remotely. Team Bubbly clients include: Esquire, BMW, Nike, Gucci  
TeamBubbly.com/
- 2007 - 2012 **Designer / Developer**  
Seagrape Studios  
Self-owned and operated mobile & web design company based in San Francisco, CA and Boston, MA  
Designed, developed mobile & web experiences. Worked closely with marketing specialists, photographers, copywriters, editors, and print houses remotely. Clients include: Liancarlo, Rock Paper Photo, Reality Pictures, Whole Child Action. SeagrapeStudios.com/

## Extra Curricular

- SPRING 2018 **Lead & Facilitator of Focus Group**  
Focus Group: Ethical Design Thinking & Practice  
Comparative History of Ideas - University of Washington, Seattle, WA  
Lead and Facilitator of Focus Group to ideate, discover, plan, design, prototype, evaluate, and iterate on our creations using reflective practices and value sensitive design methodologies.
- 2015 - 2017 **Curriculum Committee Member**  
Comparative History of Ideas Curriculum Committee  
Comparative History of Ideas - University of Washington, Seattle, WA

## Awards

- 2020 **Travel Award, CSCW Conference**  
Computer Supported Cooperative Work, (virtual conference)  
\$106 funding to attend research conference
- 2019 **Travel Award, SLSA Conference**  
Society for Literature, Science, and the Arts, University of California (Irvine)  
\$706 travel funding to attend research conference
- 2018 **Travel Award, PHuN Conference**  
Post-Human Network, Arizona State University (Tempe)  
\$445 travel funding to attend research conference
- 2018 **Travel Award, CSCW Conference**

New York City's Hudson River (Jersey City)  
\$316 travel funding to attend research conference

2018 **CHID Research Award, Focus Group**  
University of Washington, Seattle, WA  
\$250 funding to design and facilitate Ethical Design Thinking & Practice focus group