

Calvin Liang

Department of Human Centered Design & Engineering
University of Washington
Seattle, WA 98155

cliang02@uw.edu
liangcalvin.com

/Expertise

Research Keywords: Human Computer Interaction, health, LGBTQ health, personal tracking, inclusive design, research with marginalized people

Research Methods: user research, interviews, surveys, focus groups, co-design, Asynchronous Remote Community (ARC), thematic analysis, usability studies

/Education

- 2018 - Present **Ph.D. Human Centered Design & Engineering**
University of Washington, Seattle, WA
Advised by Dr. Sean Munson and Dr. Julie Kientz
- 2017 - 2018 **M.S. Human Factors Engineering**
Tufts University, Medford, MA
Thesis: Using Brain-Computer Interfaces to Improve
Multitasking in Driving (Advised by Dr. James Intriligator)
- 2012 - 2016 **B.S. Engineering Psychology**
Tufts University, Medford, MA

/Publications

Refereed Conference Proceedings and Journal Articles

Liang, C., Munson, S., Kientz, J. (December, 2020). Embracing Four Tensions in Human-Computer Interaction Research with Marginalized People. *ACM Trans. Comput.-Hum. Interact.* DOI: <http://dx.doi.org/10.1145/3443686>.

Liang, C.*, Hutson, J.*, Keyes, O. (2020). Surveillance, stigma & sociotechnical design for HIV. *First Monday*, 25(10). DOI: <https://doi.org/10.5210/fm.v25i10.10274>

Liang, C.*, Albertson, K.*, Williams, F., Inwards-Breland, D., Munson, S. A., Kientz, J. A., Ahrens, K. (2020). Designing an Online Sex Education Resource for Gender-Diverse Youth. In Proceedings of the 18th ACM International Conference on Interaction Design and Children. *Honorable Mention Best Paper*

Kolovson, S., **Liang, C.**, Munson, S. A., & Starbird, K. (2020). Personal Data and Power Asymmetries in US Collegiate Sports Teams. Proceedings of the ACM on Human-Computer Interaction, 4(GROUP), 1-27.

B, A., **Liang, C.**, Zeng, E. Y., Shukla, K., Wong, M. E., Munson, S. A., & Kientz, J. A. (2019, June). Engaging Teenagers in Asynchronous Online Groups to Design for Stress Management. In Proceedings of the 18th ACM International Conference on Interaction Design and Children (pp. 26-37).

/Research Experience

- 2018 - 2020 Graduate Research Assistant
Department of Human Centered Design & Engineering, UW,
Seattle, WA
Gatekeeping Personal Data
- Graduate Research Assistant
Seattle Children's Research Institute, Seattle, WA
**Designing Online Sex Education Resources for Trans and Gender
Non-Comforming Youth**
· conducted focus groups, co-design session, and ARC study,
analyzed qualitative data
- Graduate Research Assistant
Kaiser Permanente Washington Health Research Institute,
Seattle, WA
Managing Multiple Chronic Conditions
· conducted interviews, analyzed qualitative data, and iterated
on prototypes
- Graduate Research Assistant**
Department of Human Centered Design & Engineering, UW,
Seattle, WA
Paradoxes of HCI Research with Marginalized People
- Graduate Research Assistant**
Department of Human Centered Design & Engineering, UW,
Seattle, WA
Athlete Tracking
- Graduate Research Assistant**
Department of Human Centered Design & Engineering, UW,
Seattle, WA
Teen Stress Asynchronous Research Communities

Visiting Scholar

Occupational Biomechanics and Ergonomics Lab, Harvard University, Boston, MA

/Teaching Experience

- Fall 2020 **Teaching Assistant**, HCDE 501 Theoretical Foundations of HCDE
- Spring 2020 **Teaching Assistant**, HCDE 598 Accessibility & Inclusive Design
- Winter 2020 **Co-Instructor**, HCDE 300 Foundations of Human-Centered and Engineering
Guest Lecture: Design Ethics
- Spring 2019 **Teaching Assistant**, HCDE 298 Inclusive Design

/Service

- September 2019 - Diversity & Outreach Coordinator, Design Use Build (DUB)
Present interdisciplinary research group
- January 2019 - PhD Representative, HCDE Grad Student Association
March 2020

Workshop Organization

Devito, M. A., Walker, A. M., Birnholtz, J., Ringland, K., Macapagal, K., Kraus, A., Munson, S.A., **Liang, C.**, & Saksono, H. (2019, November). Social Technologies for Digital Wellbeing Among Marginalized Communities. In Conference Companion Publication of the 2019 on Computer Supported Cooperative Work and Social Computing (pp. 449-454).

/Presentations and Media

Liang, C., (May, 2020). "Designing an Online Sex Education Resource for Gender-Diverse Youth," DUB Talk, University of Washington, Seattle, WA.
<https://dub.washington.edu/seminars/2020-05-27.html>

Liang, C., Hutson, K., Keyes, O., (July, 2020) "Episode 18: Surveillance, Stigma & Sociotechnical Design for HIV in Dating and Hookup Platforms with Calvin Liang, Jevan Hutson, and Os Keyes," Radical AI Podcast.
<https://www.radicalai.org/e18-calvin-jevan-os>