

# Lisa Orie

Ph.D. Student in Computer Science & Engineering  
Human-Computer Interaction, Information and Communication Technologies for Development

Paul G. Allen School of Computer Science & Engineering  
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## EDUCATION

*Sept 2021 – Present*    **University of Washington**  
Ph.D. in Computer Science & Engineering  
Advisor: Professor Richard Anderson

*Aug 2017 – June 2021*    **Wellesley College**  
B.A. in Computer Science and Philosophy  
*Magna Cum Laude, Phi Beta Kappa, Sigma Xi*

*Sept 2019 – Dec 2019*    **University of Oxford Worcester College**  
Visiting student in Computer Science and Philosophy

## AWARDS

- 2020*    **Funai Overseas Scholarship**  
Awarded Ph.D. fellowship that covers tuition, stipend, and living expenses for two years.
- 2020*    **Grace Hopper Celebration 2020 Scholarship**
- 2017*    **Japan Student Services Organization (JASSO) Scholarship**  
Awarded scholarship to pursue undergraduate studies in the U.S. for four years.
- 2017*    **Grew Bancroft Foundation Scholarship**  
Awarded scholarship to study at an American liberal arts college for four years.
- 2017*    **Kanazawa Iwao Memorial Foundation Scholarship**  
Awarded scholarship to pursue undergraduate studies in the U.S. for one year.

## RESEARCH PROJECTS

- May 2022 – Present*    **Electronic HIV Data Security and Privacy in Malawi**  
*Advised by Professor Richard Anderson (University of Washington ICTD Lab) and Professor Caryl Feldacker (University of Washington Dept. of Global Health)*  
Leading the investigation of the perspectives of healthcare staff, HIV patients, and members of Malawi's government to improve a mobile medical record system that supports HIV care in Malawi. Conducted fieldwork at HIV clinic in Malawi in Sept 2022.
- Jan 2022 – Present*    **Designs for Recording and Sharing Menopause Experiences Across Generations**  
*(University of Washington)*

Investigating designs for recording and sharing menopause experiences across generations.

Jan 2022 – Apr 2022

**COVID-19 Data Accuracy in Uganda and Ghana**

*Advised by Professor Richard Anderson (University of Washington ICTD Lab)*

Investigating COVID-19 data underreporting in Uganda and Ghana.

Sept 2021 – Dec 2021

**Socio-Economic Correlates of Urban Accessibility**

*Advised by Professor Jon E. Froehlich (University of Washington Makeability Lab)*

Explored correlations between sidewalk presence and quality and socio-demographics.

Apr 2020 – May 2022

**Speech Practice Systems to Improve Self-Perceptions**

*Advised by Professor Takuji Narumi (University of Tokyo Cyber Interface Lab)*

Led a project that investigated the impact of listening to speech role models and voice manipulation on the self-perception of voice.

Sept 2020 – July 2021

**Truck Drivers' Perspectives on Automation**

*Advised by Professor Orit Shaer (Wellesley College HCI Lab)*

Led a project that analyzed the perspective of truck drivers on automation in the trucking industry.

Jan 2020 – Dec 2020

**Developing an Urban Well-Being Index**

*Advised by Dr. Luis Alonso (MIT Media Lab City Science Research Group)*

Led the formulation of an urban metric that predicted well-being in urban environments.

Sept 2019 – May 2020

**MIT CSAIL Clinical Decision-Making Group**

*Advised by Dr. Di Jin (MIT CSAIL Clinical Decision-Making Group)*

Contributed to building a model that generated attractive news headlines with various writing styles.

Feb 2019 – Aug 2019

**Designing a Low-Cost Kit for Ecosystem Monitoring**

*Advised by Professor Danielle Wood (MIT Media Lab Space Enabled Research Group)*

Designed and engineered a sensor kit that monitored the health ecosystem in Benin with low-cost sensors, wireless data transmission, and rechargeable solar battery.

## PUBLICATIONS

### CONFERENCE PAPERS

- 2022 [C.3] **Lisa Orie**, Nami Ogawa, Yuji Hatada, and Takuji Narumi. 2022. Designing for Speech Practice Systems: How Do User-Controlled Voice Manipulation and Model Speakers Impact Self-Perceptions of Voice?. In *CHI Conference on Human Factors in Computing Systems (CHI '22)*.
- 2021 [C.2] **Lisa Orie\***, Diana Tosca\*, Andrew Kun, and Orit Shaer. Perceptions of Trucking Automation: Insights from the r/Truckers Community. In *Proceedings of the 13th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI' 21)*.
- 2020 [C.1] Di Jin, Zhijing Jin, Joey Tianyi Zhou, **Lisa Orie**, and Peter Szolovits. Hooks in the Headline: Learning to Generate Headlines with Controlled Styles. In *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020)*.

## JOURNALS

- 2020 [J.1] **Lisa Orie**, Luis Alonso, Kent Larson. Methodology for Establishing Well-Being Urban Indicators at the District Level to be used on the CityScope Platform. *Sustainability* 2020, 12, 9458.

## ABSTRACTS & POSTERS

- 2021 [EA.2] **Lisa Orie\***, Diana Tosca\*, Andrew Kun, and Orit Shaer. Perceptions on the Future of Automation in r/Truckers. In *Proceedings of CHI '21 Extended Abstracts on Human Factors in Computing Systems (CHI EA '21)*.
- 2019 [EA.1] Danielle Wood, Fohla Mouftaou, Temilola Fatoyinbo, David Lagomasino, Ufuoma Oviemhada, Eric Ashcroft, Lelia Hampton, **Lisa Orie**, TojumiOluwa Adegboyega, Anisha Nakagawa and Juliet Wanyiri. (2019, December). Co-Designing an Environmental Observatory to Support Eco-Entrepreneurship in Benin. In *AGU Fall Meeting Abstracts* (Vol. 2019, pp. GC53B-01).

## TEACHING & TUTORING

- 2021 **CS349H Human-Automation Interaction** Computer Science, Wellesley College
- 2021 **CS220 Human-Computer Interaction** Computer Science, Wellesley College
- 2020 **Research Mentorship Program** Kumon Kokusai Gakuen
- 2018 **Calculus II Mathematics**, Wellesley College

## SERVICE & VOLUNTEERING

- May 2015 – Present **Parasaiyo Member** Tokyo, Japan; Tagaytay, Philippines  
Supporting foster children in the Philippines in their pursuits for higher education.  
Organizes charity events in Japan to raise donation funds. Makes annual visits to foster home.
- Nov 2021 – Present **UW Pre-Application Mentorship Service Volunteer** Seattle, WA, USA
- Apr 2022 – June 2022 **ICTD 2022 Student Volunteer Chair** Seattle, WA, USA
- June 2022 **ACM COMPASS 2022 Student Volunteer** Seattle, WA, USA
- Mar 2022 – June 2022 **UW ICTD Seminar Co-Organizer** Seattle, WA, USA
- Sept 2021 **Automotive UI 2021 Student Volunteer** Remote
- Sept 2017 – May 2018 **Chinatown Afterschool Program Mentor** Boston, MA, USA  
Assisted with providing afterschool instruction for children living in Boston's Chinatown.  
Supported learning for third grade students.