

Lisa Orie

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

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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
Summa 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.

EXPERIENCE

Jan 2022 – Present **University of Washington**
Investigating designs for recording and sharing menopause experiences across generations.

Jan 2022 – Apr 2022 **University of Washington ICTD Lab**
Graduate Researcher *with Professor Richard Anderson*
Investigating COVID-19 data underreporting in Uganda and Ghana.

Sept 2021 – Dec 2021 **University of Washington Makeability Lab**
Graduate Researcher *with Professor Jon E. Froehlich*

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

- Apr 2020 – Sept 2021* **University of Tokyo Cyber Interface Lab**
Research Intern *with Professor Takuji Narumi*
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* **Wellesley College Human-Computer Interaction Lab**
Undergraduate Research Assistant *with Professor Orit Shaer*
Led a project that analyzed the perspective of truck drivers on automation in the trucking industry.
- Jan 2020 – Dec 2020* **MIT Media Lab City Science Research Group**
Undergraduate Research Assistant *with Dr. Luis Alonso*
Led the formulation of an urban metric that predicted well-being in urban environments.
- Sept 2019 – May 2020* **MIT CSAIL Clinical Decision-Making Group**
Undergraduate Research Assistant *with Dr. Di Jin*
Contributed to building a model that generated attractive news headlines with various writing styles.
- Feb 2019 – Aug 2019* **MIT Media Lab Space Enabled Research Group**
Undergraduate Research Assistant *with Professor Danielle Wood*
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 Oriei**, 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 Oriei***, 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 Oriei**, 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 Oriei**, 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 Orii***, 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 Ovienmhada, Eric Ashcroft, Lelia Hampton, **Lisa Orii**, 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*
CS220 Human-Computer Interaction *Computer Science, Wellesley College*
- 2020 **Research Mentorship Program** *Kumon Kokusai Gakuen*
- 2018 **Calculus II Mathematics**, *Wellesley College*

VOLUNTEER WORK

- May 2015 – Present* **Parasaiyo**
Aids foster children in the Philippines for their pursuits for higher education. Organizes charity events in Japan to raise donation funds. Makes annual visits to foster home.
- Sept 2017 – May 2018* **Chinatown Afterschool Program**
Assisted with providing afterschool instruction for children living in Boston's Chinatown. Supported learning for third grade students.