

# Lisa Orit

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## SUMMARY

Computer science PhD candidate researching digital health and other digital services in developing countries. Major strengths in applying human-centered methodologies to technology design, development, and evaluation in real-world contexts. Leads multidisciplinary projects with international partners, from obtaining ethics approval to writing papers and presenting at international conferences. Experienced in designing and conducting qualitative and quantitative research.

## EDUCATION

**University of Washington**, Seattle, WA, USA

Ph.D. in Computer Science & Engineering

Graduate Certificate in Global Health of Women, Adolescents, and Children

Advisor: Richard Anderson

Sept 2021 – June 2026 (Expected)

**Wellesley College**, Wellesley, MA, USA

B.A. in Computer Science and Philosophy

Magna Cum Laude, Phi Beta Kappa, Sigma Xi

Advisor: Orit Shaer

Sept 2017 – June 2021

**University of Oxford Worcester College**, Oxford, UK

Visiting student in Computer Science and Philosophy

Sept 2019 – Dec 2019

## PEER-REVIEWED PUBLICATIONS

1. **Lisa Orit**, Elizabeth K. Harrington, Serah Gitome, Nelson Kiprotich Cheruiyot, Elizabeth Anne Bukusi, Sandy Cheng, Ariel Fu, Khushi Khandelwal, Shrimayee Narasimhan, and Richard Anderson. Supporting Contraceptive Decision-Making in the Intermediated Pharmacy Setting in Kenya. Recently accepted to *Proceedings of the 2025 CHI Conference on Human Factors in Computing Systems (CHI '25)*. <https://arxiv.org/pdf/2502.05323> (preprint)
2. **Lisa Orit**, Kate S. Wilson, Jacqueline Huwa, Christine Kiruthu-Kamamia, Odala Sande, Agness Thawani, Astrid Berner-Rodoreda, Evelyn Viola, Hannock Tweya, Petros Tembo, Wapu Masambuka, Richard Anderson, & Caryl Feldacker. “They gave us the right to choose.” A qualitative study of preferences for differentiated service delivery location among recipients of antiretroviral therapy at Lighthouse Trust in Lilongwe Malawi. In *PLOS ONE*. <https://doi.org/10.1371/journal.pone.0296531>
3. Shaan Chopra, **Lisa Orit**, Katherine Juarez, Nussara Tieanklin, James Fogarty, and Sean A. Munson. 2024. Menopause Legacies: Designing to Record and Share Experiences of Menopause Across Generations. In *Proceedings of the ACM on Human-Computer Interaction (CSCW '24)*. <https://dl.acm.org/doi/10.1145/3686975>
4. **Lisa Orit**, Caryl Feldacker, Jacqueline Madalitso Huwa, Agness Thawani, Evelyn Viola, Christine Kiruthu-Kamamia, Odala Sande, Hannock Tweya, and Richard Anderson. 2024. HIV Client Perspectives on Digital Health in Malawi. In *Proceedings of the 2024 CHI Conference on Human Factors in Computing Systems (CHI '24)*. **Best Paper Honorable Mention (top 5%)** <https://dl.acm.org/doi/full/10.1145/3613904.3642245>
5. **Lisa Orit**, Caryl Feldacker, Hannock Tweya, Richard Anderson. eHealth Data Security and Privacy: Perspectives from Diverse Stakeholders in Malawi. In *Proceedings of the ACM on Human-Computer Interaction (CSCW '24)*. <https://dl.acm.org/doi/10.1145/3637323>
6. **Lisa Orit**, 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 *Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems (CHI '22)*. <https://doi.org/10.1145/3491102.3502093>
7. **Lisa Orit**, Diana Tosca, Andrew L Kun, and Orit Shaer. 2021. Perceptions of Trucking Automation: Insights from the r/Truckers Community. In *13th International Conference on Automotive User Interfaces and Interactive Vehicular Applications (AutomotiveUI '21)*. <https://doi.org/10.1145/3409118.3475154>
8. **Lisa Orit**, Diana Tosca, Andrew L Kun, and Orit Shaer. 2021. Perceptions on the Future of Automation in r/Truckers. In *Extended Abstracts of the 2021 CHI Conference on Human Factors in Computing Systems (CHI EA '21)*. <https://doi.org/10.1145/3411763.3451637>

9. **Lisa Orii**, Luis Alonso, Kent Larson. 2020. Methodology for Establishing Well-Being Urban Indicators at the District Level to be Used on the CityScope Platform. In *Sustainability*. <https://doi.org/10.3390/su12229458>
10. Di Jin, Zhijing Jin, Joey Tianyi Zhou, **Lisa Orii**, 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)*. <https://doi.org/10.18653/v1/2020.acl-main.456>

## EXPERIENCE

**UNIVERSITY OF WASHINGTON**, Seattle, WA, USA

Sept 2021 – Present

### Graduate Teaching Assistant

Jan 2024 – Present

Provided teaching support for graduate- and undergraduate-level courses in computer science.

- Led lecture review sections for 25 undergrads and created assignments/exercises for Data Programming, Introductory Python.
- Mentored and graded course projects: Computing for Social Good (30 grads); Capstone Software Design to Empower Underserved Populations (30 undergrads); Human-Computer Interaction (35 undergrads).

### Graduate Research Assistant

Sept 2021 – Present

Led digital health and digital finance projects in Malawi, Kenya, and Nigeria in collaboration with international partners, incorporating stakeholder experiences into technical improvements and policy recommendations.

- Planned and conducted qualitative studies with 75 stakeholders of Malawi's HIV care program to investigate security gaps and opportunities for a mobile medical record system.
- Developed an Android app for Kenyan pharmacies that supports contraceptive decision-making for young women; planned/facilitated 4 human-centered design workshops to gather app feedback from 45 participants in Kenya; analyzed 100 user sessions from a 3-month app pilot in pharmacies; designing chatbot prototypes to add to app.
- Designed longitudinal study to examine the reliability of USSD financial service providers in Nigeria; conducted statistical analysis of failure rates of 49,000 USSD-based financial transactions; generated data visualizations with Python and R.

**PATH**, Seattle, WA, USA

Apr 2024 – Sept 2024

### Intern

Made data exchange recommendations for digital information systems that integrate human milk banking and lactation support in developing countries.

- Defined data dictionary of 250 data elements that track blood donations; compared business processes and workflows between blood banking and human milk banking to define data dictionary of 110 data elements that track human milk donations.
- Conducted gap analysis of 100 comments from human milk banking experts to identify 6 actions to address needs; defined generic personas to identify stakeholders in human milk banking and lactation support.
- Contributed to writing a concept note and presentation materials; developed human-centered design report.

**UNIVERSITY OF TOKYO**, Tokyo, Japan

Apr 2020 – May 2022

### Undergraduate Research Intern

Investigated the impact of listening to speech role models and voice manipulation on the self-perception of voice.

- Designed and executed user experiment with 18 participants using mixed methods.
- Developed design recommendations for speech practice systems.

**MIT MEDIA LAB**, Cambridge, MA, USA

Feb 2019 – June 2021

### Undergraduate Research Assistant

Assisted projects in the City Science and Space Enabled Groups.

- Developed an index of 5 urban indicators to describe urban attributes that enhance well-being.
- Designed and engineered a sensor kit using Arduino to monitor the health ecosystem in Benin with low-cost sensors, wireless data transmission, and rechargeable solar battery; mapped vegetation growth of an invasive plant species in Benin to predict future growth using Geographic Information System mapping.

**WELLESLEY COLLEGE**, Wellesley, MA, USA

Sept 2020 – Sept 2021

### Undergraduate Research Assistant

Led investigation on truck drivers' perceptions on automation.

- Scraped 109 posts from the r/Truckers subreddit to conduct qualitative data analysis on 3000 comments.
- Visualized frequency of keywords by time.

## SKILLS

**Languages**

English (native), Japanese (native)

<b>Programming</b>	Python (advanced), R (advanced), Dart (intermediate), Java (intermediate), HTML/CSS/JavaScript (intermediate)
<b>Computer Tools</b>	Microsoft Office (advanced), ATLAS.ti (advanced), Tableau (intermediate), Figma (intermediate), Flutter (intermediate), ArcGIS (intermediate), Twine (beginner)
<b>Research Methods &amp; Analysis</b>	Human-centered design, Wireframing, Storyboarding, Prototyping, Participatory design, User research, Usability testing, Interviews, Focus groups, Survey design, Experimental design, Mixed-method instruments, Qualitative analysis, Quantitative analysis, Data visualization, Android app development, Literature review

## HONORS & AWARDS

<b>ACM CHI 2024 Best Paper Honorable Mention (top 5%)</b>	2024
<b>Wellesley College Horton-Hallowell Fellowship</b>	2024
<b>University of Washington Global Innovation Fund Tier 2 Research Award</b>	2022
<b>Quad Fellowship</b>	2020
<b>MIT Technology Review's Innovators Under 35 Japan</b>	2020
<b>Funai Overseas Scholarship</b>	2020
<b>Grace Hopper Celebration 2020 Scholarship</b>	2020
<b>Japan Student Services Organization (JASSO) Undergraduate Scholarship</b>	2017
<b>Grew Bancroft Foundation Scholarship</b>	2017
<b>Kanazawa Iwao Memorial Foundation Scholarship</b>	2017

## GRANTS

<b>University of Washington Global Innovation Fund Tier 1 Research Award (\$5,000)</b>	2025
<b>University of Washington Global Innovation Fund Tier 2 Research Award (\$20,000)</b>	2023

## ACADEMIC SERVICE

<b>Reviewing</b>	
3 special recognitions for outstanding reviews – CUI 2023, CSCW 2024, CSCW 2025	2025
ACM CHI Conference on Human Factors in Computing Systems (CHI)	2023 – Present
ACM Conference on Computer-Supported Cooperative Work and Social Computing (CSCW)	2023 – Present
<b>Organization</b>	
University of Washington Change Seminar	2022 – 2024
University of Washington ICTD Seminar	2022 – 2024
University of Washington CSE Prospective Student Committee	2023 – 2024
University of Washington Pre-Application Mentorship Service	2021 – 2024
<b>Conference Volunteering</b>	
CHI 2025	2025
ICTD 2022 Student Volunteer Chair	2022
ACM COMPASS 2022 Student Volunteer	2022
Automotive UI 2021 Student Volunteer	2021

## COMMUNITY SERVICE

<b>PARASAIYO</b> , Tokyo, Japan; Naic, The Philippines	May 2015 – Present
<b>Member</b>	
Member of a Japanese volunteer group that makes annual visits to the Philippines to support higher education of orphaned children.	
<ul style="list-style-type: none"> <li>Developed a cultural exchange program for high school students in the orphanage.</li> <li>Mentored 2 interns to develop a high school curriculum that included personal assessments to identify future career opportunities.</li> <li>Mentored 6 high school students to conduct research and propose solutions for socio-economic challenges in the Philippines.</li> </ul>	