

LISA ORII

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EDUCATION

Wellesley College

Aug 2017 – June 2021

Candidate for B.A. in Computer Science & Philosophy

University of Oxford Worcester College

Sept 2019 – Dec 2019

Visiting student - Computer Science & Philosophy

PUBLICATIONS

- **Methodology for Establishing Well-Being Urban Indicators at the District Level to be used on the CityScope Platform**
Lisa Orie, Luis Alonso, Kent Larson
Sustainability 2020, 12, 9458
- **Hooks in the Headline: Learning to Generate Headlines with Controlled Styles**
Di Jin, Zhijing Jin, Joey Tianyi Zhou, Lisa Orie, and Peter Szolovits
Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020)
- **Co-Designing an Environmental Observatory to Support Eco-Entrepreneurship in Benin**
Danielle Wood, Fohla Mouftaou, Temilola Fatoyinbo-Agueh, David Lagomasino, Eric Ashcroft, Ufuoma Ovienhmad, Lelia Hampton, Lisa Orie, TojumiOluwa Adegboyega, Anisha Nakagawa, Juliet Wanyiri
American Geophysical Union (AGU) Fall Meeting 2019

AWARDS & HONORS

- **Funai Overseas Scholarship** 2020
Awarded by the Funai Foundation for Information Technology for Ph.D. funding.
Granted full tuition, \$2500/month stipend, travel expenses, and moving expenses for 2 years.
Selected as 1 of 10 scholars from 124 applicants.
- **Grace Hopper Celebration 2020 Scholarship** 2020
Awarded by AnitaB.org to attend Grace Hopper Celebration 2020.
- **Japan Student Services Organization (JASSO) Scholarship** 2017
Awarded as a member of the 1st cohort of Japanese students to receive a scholarship for undergraduate studies outside of Japan. Funded for 4 years.
- **Grew Bancroft Foundation 1st Place Scholarship** 2017
Awarded as the 1st place scholar to receive a scholarship for undergraduate studies at an American liberal arts college. Funded for 4 years.
Selected as 1 of 6 scholars among over 80 Japanese high school applicants.
- **Kanazawa Iwao Memorial Foundation Scholarship** 2017
Awarded a scholarship for undergraduate studies outside of Japan. Funded for 1 year.

RESEARCH

- **Wellesley College Human Computer Interaction Lab** *Sept 2020 – Present*
Advisor: Professor Orit Shaer
Leading a project to understand truck drivers' tasks and their views toward automation. Conducted text sentiment analysis and thematic analysis of over 2600 Reddit comments.
- **University of Tokyo Cyber Interface Lab** *April 2020 – Present*
Advisor: Professor Takuji Narumi
Creating design proposals for a web browser-based voice-training tool that allows users to practice speaking to increase self-confidence. Conducted experiments and interviews (structured and semi-structured) to interpret changes in users' self-confidence while they used a voice-manipulation tool.
- **MIT Media Lab City Science Research Group** *Jan 2020 – Present*
Advisor: Dr. Luis Alonso
Formulated a well-being index with 5 urban indicators and created data visualizations that predicted well-being levels in U.S. cities. Presented my work at the MIT Media Lab Members Week Event to showcase my project to potential investors.
- **MIT CSAIL Clinical Decision-Making Group** *Sept 2019 – May 2020*
Advisor: Dr. Di Jin
Performed natural language processing research to generate attractive news headlines with various writing styles. Web scraped over 100k news articles from online media for training data and conducted extensive human evaluation of the model.
- **MIT Media Lab Space Enabled Research Group** *Feb 2019 – Aug 2019*
Advisor: Professor Danielle Wood
Delivered predictions on the relation between the seasons, precipitation, and the vegetation of an invasive plant species in Benin using Geographic Information System mapping. Engineered and programmed a sensor kit using C++ to monitor the health ecosystem in Benin with low-cost sensors, wireless data transmission capabilities, and a rechargeable solar battery that extended the lifespan of the kit from 3 days to 2 weeks.

MENTORING & TEACHING

- **Kumon Kokusai Gakuen Mentorship Program** *Research Mentor* *Sept 2020 – Dec 2020*
- **Calculus II Supplemental Instruction (SI) Leader** *Aug 2018 – Dec 2018*

LEADERSHIP & ACTIVITIES

- **Wellesley Japan Club** *Vice President, Cultural Chair, Outreach Chair* *Aug 2017 – Present*
- **Wellesley Aiko Taiko Player** *Aug 2017 – Present*
- **Parasaiyo Charity Events Organizer, Volunteer, Intern** *May 2015 – Present*
Aids foster children in the Philippines and makes annual visits to the foster home.
- **Chinatown Afterschool Program** *Volunteer Instructor* *Sept 2017 – May 2018*

SKILLS

- **Languages:** Python, Java, HTML, CSS, JavaScript, C++, C#, C
- **Tools:** Arduino, Flora, ArcGIS, inVision, Sketch, Illustrator, XD