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 in Computer Science & Philosophy

RESEARCH

Wellesley HCI Lab *Sept 2020 – Present*

Undergraduate Researcher – advised by Professor Orit Shaer

- Leading a segment of the Future of Work project that takes a humanistic approach to developing and designing conditional automation by incorporating truck drivers' perspectives.

University of Tokyo Cyber Interface Lab *April 2020 – Present*

Research Intern – advised by Professor Takuji Narumi

- Creating design proposals for voice-changing interfaces that allow users to conduct vocal training and increase levels of self-confidence.

MIT Media Lab City Science Research Group *Jan 2020 – Present*

Undergraduate Researcher – advised by Dr. Luis Alonso

- Formulated a well-being index based on a comprehensive evaluation of 5 urban indicators and predicted well-being levels in urban cities in the U.S.

MIT CSAIL Clinical Decision-Making Group *Sept 2019 – May 2020*

Undergraduate Researcher – advised by Dr. Di Jin

- Performed natural language processing research to develop a model that generates attractive news headlines with various writing styles.
- Web scraped over 100k news articles from online media used for training data and conducted extensive human evaluation of the model.

MIT Media Lab Space Enabled Research Group *Feb 2019 – Aug 2019*

Undergraduate Researcher – advised by Professor Danielle Wood

- Predicted the relation between the seasons, precipitation, and the vegetation of an invasive plant species in Benin using Geographic Information System mapping.
- Successfully designed and engineered a sensor kit that monitors the health ecosystem in Benin. The kit has low-cost sensors, wireless data transmission that reduced labor work, and a rechargeable solar battery which increased the longevity of the kit from 3 days to 2 weeks.

PUBLICATIONS

Di Jin, Zhijing Jin, Joey Tianyi Zhou, **Lisa Orii**, and Peter Szolovits, "Hooks in the Headline: Learning to Generate Headlines with Controlled Styles", ACL 2020.

Danielle Wood, Fohla Mouftaou, Temilola Fatoyinbo-Agueh, David Lagomasino, Eric Ashcroft, Ufuoma Ovienhmada, Lelia Hampton, **Lisa Orii**, TojumiOluwa Adegboyega, Anisha Nakagawa, Juliet Wanyiri, "Co-Designing an Environmental Observatory to Support Eco-Entrepreneurship in Benin", AGU Fall 2019.

(Under review) **Lisa Orii**, Luis Alonso, Kent Larson, "Methodology for Establishing Well-Being Urban Indicators at the District Level to be used on the CityScope Platform", *Sustainability* journal special issue "Urban Planning and Social Well-being".

AWARDS & HONORS

Grace Hopper Celebration 2020 Scholar *June 2020 – Present*

Japan Student Services Organization (JASSO) Scholar *Aug 2017 – Present*

- Selected as a member of the first cohort of Japanese scholars to receive government funding.

Grew Bancroft Foundation 1st Place Scholar *Aug 2017 – Present*

- Selected as the 1st place scholar among over 80 applicants to attend an American liberal arts college.

Kanazawa Iwao Memorial Foundation Scholar *Aug 2017 – May 2018*

LEADERSHIP & ACTIVITES

Kumon Kokusai Gakuen Mentorship *Research Mentor* *Sept 2020 – Present*

- Mentoring Japanese high school girls in research about well-being and gender in media.

Wellesley Japan Club *Vice President, Cultural Chair, Outreach Chair* *Aug 2017 – Present*

- Organized and gathered 600 attendees at the largest cultural event on campus to showcase Japanese culture in 2019.

Wellesley Aiko *Taiko Player* *Aug 2017 – Present*

Parasaiyo *Charity Events Organizer, Volunteer, Intern* *May 2015 – Present*

- Developing and delivering original educational programs to foster children in the Philippines every summer.

Calculus II *Supplemental Instruction (SI) Leader* *Aug 2018 – Dec 2018*

Chinatown Afterschool Program *Volunteer Instructor* *Sept 2017 – May 2018*

SKILLS

Programming: Python, Java, C++, C, C#, HTML, CSS, JavaScript

Software/Hardware: inVision, Sketch, XD, Illustrator, Arduino, Geographic Information System (GIS) Mapping