

LISA ORII

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EDUCATION

Wellesley College

Aug 2017 – May 2021

Candidate for B.A. in Computer Science & Philosophy

University of Oxford Worcester College

Sept 2019 – Dec 2019

Visiting student

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 urban features and designs that contribute to well-being and predicted well-being levels in multiple urban cities in the U.S.

MIT CSAIL Clinical Decision-Making Group

Sept 2019 – May 2019

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 Research Assistant – 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 Orie**, 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 Oviemhanda, Lelia Hampton, **Lisa Orie**, Tojumi Oluwa Adegboyega, Anisha Nakagawa, Juliet Wanyiri, "Co-Designing an Environmental Observatory to Support Eco-Entrepreneurship in Benin", AGU Fall 2019.

Lisa Orie, Luis Alonso, Kent Larson, "Methodology for Establishing Well-Being Urban Indicators at the District Level", Under review for *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 & ACTIVITIES

Parasaiyo

May 2015 – Present

Charity Events Organizer, Volunteer, Intern

- Developed original educational programs to deliver to foster children in the Philippines every summer. Making annual visits to the foster home since 2015.

Wellesley Japan Club

Aug 2017 – Present

Vice President, Cultural Chair, Outreach Chair

- Organized the largest cultural event on campus to showcase Japanese culture in 2019. Over 600 attendees were present.

Wellesley Aiko

Aug 2017 – Present

Taiko Player

- Performs songs at on-campus and off-campus events

Calculus II

Supplemental Instruction (SI) Leader

Aug 2018 – Dec 2018

- Selected to support 30 students in Calculus II during class, office hours, and SI sessions.

Chinatown Afterschool Program

Volunteer Instructor

Sept 2017 – May 2018

- Instructed children in Boston Chinatown in an afterschool program

SKILLS

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

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