

# LISA ORII

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## EDUCATION

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### Wellesley College

Candidate for B.A. in Computer Science & Philosophy

Aug 2017 – June 2021

### University of Oxford Worcester College

Visiting student studying Computer Science & Philosophy

Sept 2019 – Dec 2019

## PUBLICATIONS

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- **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  
*58<sup>th</sup> 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 Ovienhmadu, Lelia Hampton, Lisa Orie, TojumiOluwa Adegboyega, Anisha Nakagawa, Juliet Wanyiri  
*American Geophysical Union Fall Meeting* 2019

## AWARDS & HONORS

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- **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.
- **Grace Hopper Celebration 2020 Scholarship** 2020
- **Japan Student Services Organization (JASSO) Scholarship** 2017  
Awarded as a member of the 1<sup>st</sup> cohort of Japanese students to study abroad with a scholarship for undergraduate studies. Funded for 4 years.
- **Grew Bancroft Foundation 1<sup>st</sup> Place Scholarship** 2017  
Awarded as the 1st place scholar among over 80 Japanese applicants to receive a scholarship for undergraduate studies at an American liberal arts college. Funded for 4 years.
- **Kanazawa Iwao Memorial Foundation Scholarship** 2017  
Awarded a Japanese scholarship for undergraduate studies abroad. Funded for 1 year.

## RESEARCH

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- **Wellesley College Human Computer Interaction Lab** *Sept 2020 – Present*  
*Advisor: Professor Orit Shaer*  
Leading a segment of the Future of Work project to develop and design a multi-user in-vehicle environment for truck driving. Web scarping reddit posts by truck drivers to analyze drivers' concerns with automation.
- **University of Tokyo Cyber Interface Lab** *April 2020 – Present*  
*Advisor: 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*  
*Advisor: 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*  
*Advisor: 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*  
*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. 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.

## MENTORING & TEACHING

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- **Kumon Kokusai Gakuen Mentorship Research Mentor** *Sept 2020 – Present*  
Advised research projects for Japanese high school students.
- **Calculus II Supplemental Instruction (SI) Leader** *Aug 2018 – Dec 2018*  
Attended all class sessions and provided academic support during SI sessions and office hours for students in Calculus II.

## LEADERSHIP & ACTIVITIES

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- **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*  
Delivering education programs for foster children in the Philippines every summer.
- **Chinatown Afterschool Program Volunteer Instructor** *Sept 2017 – May 2018*