

YENNIE JUN

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EDUCATION

University of Oxford

Master of Science in Social Data Science

Oxford, United Kingdom

Expected Aug. 2021

Tufts University

Bachelor of Science in Computer Science and History, Minor in Music

Medford, MA, USA

Sep. 2013 – May 2017

WORK EXPERIENCE

Researcher

Big Data Studies Lab, Seoul National University

Seoul, South Korea

Nov. 2019 – Present

- Conducted topic modeling and semantic network analysis of COVID-19 news data across 6 countries, 3 languages
- Prototyped language translation model between Korean and traditional Chinese characters (Hanja)
- Investigated the future of big data archives and long-term preservation of data centers

Software Engineer

Microsoft (Education team)

Redmond, WA, USA

Sep. 2017 – Sep. 2019

- Developed across a full stack (React and C#) for Assignments Service (a Learning Management System using Microsoft Teams)
- Maintained service health by updating telemetry dashboards using PowerBI, investigating high-severity alerts, and reporting on service health for critical scenarios in weekly service reviews

Teaching Assistant

Tufts University

Medford, MA, USA

Aug. 2014 – Dec. 2016

- Led weekly labs on computer science concepts and skills for introductory data structures course
- Planned future projects and assignments with other lab leaders and participated in writing weekly labs

CURRENT PROJECTS & WORKING PAPERS

Intersectional Biases in Generative Models *(Project with Oxford AI Society)*

This project evaluates intersectional biases in generative transformer models such as GPT-2 and conducts statistical analyses on the outputs.

Surveillance in the COVID-19 Pandemic *(Working Paper with SNU)*

This paper analyzes the privacy implications of digital contact tracing in East Asian countries during the COVID-19 pandemic through topic modeling and network analysis of news media.

Big Data as Historical Archive *(Working Paper with SNU)*

This paper examines the future of born-digital archives and the implications of the Big Data paradigm and data centers to future historians.

Covid Texting Service *(Project with Silicon Harlem, NYC)*

Texting service for answering questions related to the pandemic and providing COVID-19 statistics to those without access to Internet.

Munkwa Bangmok *(Project with SNU)*

Named-Entity Recognition and Disambiguation on historical figures from Korean Joseon-Dynasty civil service roster data.

TECHNICAL SKILLS

Languages: Python, JavaScript, React.js, Node.js/Express.js, C/C++, C#, PowerShell, HTML/CSS

Database: SQL (Postgre), Neo4J

Technologies: Docker, Flask, Git, npm, Postman, Twilio, VS Code

ACTIVITIES & LEADERSHIP

Oxford Artificial Intelligence Society, Researcher

Oct. 2020 – present

University of Washington Taekwondo Team, Assistant Instructor

2017-2019

Puget Sound Symphony Orchestra (Seattle), Flutist

2017-2019