

Experience

Software Engineer

FPT Software

Feb 2021 – Present

Tokyo, Japan

- Develop and optimize time-series demand forecasting models utilizing the Python **GluonTS**, **AutoTS**, **AutoGluon** and **AutoML** frameworks
- Communicate directly with the CTO and front-end team to deliver informational **PowerBI** dashboards and metrics to non-technical end-users
- Deliver presentations of FPT Software's end-to-end forecasting SaaS product to clients in Japan, South Korea, Malaysia, Germany, and the United States
- Utilize Agile methodologies while managing a collaborative water demand forecasting project to meet the needs of a Malaysian, state-owned enterprise
- Oversee day-to-day duties and long-term goals of three data science interns

Research Intern

Stanford University

Nov 2021 – Present

Remote

- Conduct research related to the wearables project
- Draft and edit sections for publications regarding data management

Project Researcher

University of Tokyo

Nov 2021 – Present

Tokyo, Japan

- Investigate the 30-year impact of climate change on the variation in pollen seasons across Japan
- Explore the association between ozone and temperature and their impact on the suicide rate

Medical Affairs

The Janssen Pharmaceutical Companies of Johnson & Johnson

Apr 2020 – Dec 2020

Tokyo, Japan

- Spearheaded a three-member project in **R** to quantify the impact of Macitentan
- Analyzed clinical data in **R** to produce in-house reports on the effectiveness of schizophrenia therapies in different populations
- Introduced new health perspectives studies during monthly medical affairs meetings to keep members up to date on the most recent medical literature

Graduate Research and Teaching Assistant

University of Tokyo

Jun 2020 – Oct 2020

Tokyo, Japan

- Teaching assistant for the “Environmental Health and Research Methods”
- Conducted meta-regression analysis on air pollution studies in **R**
- Trained and managed three other graduate and undergraduate students

Academic Researcher

University of Illinois

Mar 2016 – Dec 2018

Illinois, USA

- Collaborated with graduate and postdoctoral scholars on multiple water engineering publications for multiple million-dollar grants awarded by the NIH, NSF, and the United States Department of Defense
- Operated jointly with labs at Stanford University and the University of South Carolina to meet the short- and long-term goals of each grant

Education

University of Tokyo

Graduated: Mar 2021

- MS in Health Sciences

University of Illinois, Urbana-Champaign

Graduated: May 2018

- BS in Chemistry

Skills

Languages:

- English (Native)
- Korean (Native)
- Japanese (Daily)

Software:

- Python
- R
- SQL
- PowerBI
- Microsoft Office

Relevant Libraries:

Python

- Pandas
- NumPy
- GluonTS
- PyTorch
- Tensorflow
- Keras
- Sklearn
- Statsmodels

R

- Dplyr
- Knitr
- Ggplot2
- Rshiny

Tools and Systems:

- Git
- AWS/Azure
- Dremio (data lake)