

EDUCATION

Master of Arts in Economics, National Taiwan University Sep. 2022 — Jun. 2024 (Expected)

- Research topic: Trading characteristics of exporters and importers in Taiwan

Bachelor of Arts in Economics, National Taiwan University Sep. 2018 — Jun. 2022

- Cumulative GPA: 4.04 / 4.3
- Related courses: Web Programming, Algorithms, Big Data Applications and Theories, Game Theory and Business Strategy, Machine Learning, Statistical Learning and Deep Learning, Applied Deep Learning

WORKING EXPERIENCE

Shopee Taiwan Jan. 2022 — Sep. 2022

Engineering Intern, Warehouse Project Management Team of Operation

- Developed a tracking system of reusable transport packaging by updating status of 4000+ packaging through Google App Script in real time
- Improved the project of eco-friendly transport packaging in pilot phase in Shopee Express(SPX)
- Improved the workflow of automatic daily evaluation on 70+ workers; reduced 90% of time spent on manual works
- Maintained and developed 10+ cloud automation tool for warehouse workers to complete repeated tasks

Microeconomics Course at NTU Sep. 2020 — Jan. 2021

Teaching Assistant

- Taught Microeconomics in English for 30+ international students in recitation class
- Supported the professor in lecture materials as well as assignments instruction

SELECTED PROJECTS

Full-Stack Team Management Website Application Nov. 2021 — Jan. 2022

- Featured the optimization for ball game teams with user-friendly UI design
- Developed with React-JS and Node-JS frameworks; queried MongoDB using GraphQL

News Media's Opinion toward Different Brands of Vaccine Analysis Nov. 2021 — Jan. 2022

- Crawled 100,000+ news from news media automatically using Python with Requests and Selenium
- Performed text mining and sentiment analysis on news contents

Final Warrior Apr. 2020 — Jun. 2020

- Developed a 2D computer game using Python with Pygame
- Awarded as the best project in class

RESEARCH EXPERIENCE

Academia Sinica Jan. 2022 — Present

Research Assistant

- Introduced machine learning and deep learning into crime network researches
- Performed classification on the imbalanced data of co-voyage crime network; achieved 46% recall rate
- Analyzed the telecommunication network of a real drug cartel with law enforcement agencies

Fiscal Information Agency, Ministry of Finance(MOF) Jul. 2021 — Present

Data Analyst

- Cleaned trillions of customs and financial statements data in MOF using Stata
- Reported summary statistic tables for further use

National Taiwan University, Department of Economics Jun. 2020 — Dec. 2021

Research Assistant

- Developed websites for academic purposes with oTree under Python Django framework
- Reached 200+ research participants in this project

SKILLS

Programming Language: Python, C++, Javascript, SQL, Stata, Matlab, R, Google App Script

Frameworks: React-JS, Node-JS, GraphQL, PyTorch, Pandas