

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
 - Optimized the project of eco-friendly transport packaging in pilot phase in Shopee Express
 - Optimized 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