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Xiang-Xian(Johnny) Zhang

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Taipei, Taiwan

EDUCATION

Master of Arts in Economics, National Taiwan University   **Sep. 2022 — Jun. 2024 (Expected)**
- Accepted by graduate school in the 11th place out of 27

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 Co., Ltd.   **Jan. 2022 — Sep. 2022**
Engineering Intern, Warehouse Project Management Team of Operation
- Developed a tracking system of reusable transport packaging; updated status of 4,000+ packaging through GAS in real time; optimized the project of eco-friendly packaging in pilot phase in SPX
- 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-End Team Management Website Application   **Nov. 2021 — Jan. 2022**
- Featured the optimization for ball game teams with user-friendly UI design
- Developed under React-JS and Node-JS frameworks; managed MongoDB using GraphQL

Social Media Opinion toward Different Brands of Vaccine Analysis   **Nov. 2021 — Jan. 2022**
- Crawled 100,000+ news from UDN and LTN automatically using Requests and Selenium
- Performed text mining and sentiment analysis on news contents

Final Warrior   **Apr. 2020 — June 2020**
- Developed a 2D computer game using Pygame, responsible for coding
- Awarded as the best project in the class

RESEARCH EXPERIENCE

Academia Sinica   **Jan. 2022 — Present**
Research Assistant
- Introduced machine learning and deep learning into researches of crime networks
- Performed classification on the imbalanced data of co-voyage crime network; achieved recall rate equal to 46%
- Analyzed the telecommunication network of a real drug cartel with law enforcement agencies

Fiscal Information Agency, Ministry of Finance   **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+ recipients in this project

SKILLS

Programming Language: PYTHON, C++, Javascript, SQL, Stata, Matlab, R, Google App Script
Frameworks: React-JS, Node-JS, GraphQL, PyTorch, Pandas