

Hsing-Yu Shih

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Education

NTU (National Taiwan University)

Taipei, Taiwan

MASTER OF ENGINEERING - GRADUATE INSTITUTE OF COMMUNICATION ENGINEERING

Feb. 2020 - Sep. 2022

- Major in Data Science and Smart Network
- Advisor: Prof. Tsung-Nan Lin
- GPA: 4.1/4.3

NTU (National Taiwan University)

Taipei, Taiwan

BACHELOR OF BUSINESS ADMINISTRATION - DEPARTMENT OF INFORMATION MANAGEMENT

Sep. 2015 - Feb. 2020

BACHELOR OF SCIENCE IN AGRICULTURE - DEPARTMENT OF FORESTRY AND RESOURCE CONSERVATION (DOUBLE MAJOR)

- Major in Biomaterial & Resource Conservation and Management (Forestry Department)
- GPA: 3.4/4.3

Experience

ROC Army

Hsinchu, Taiwan

MILITARY TRAINING SERVICE

Sep. 2022 - Jan. 2023

- Armored car maintenance and rifle shooting.

Microsoft

New Taipei City, Taiwan

RESEARCH AND DEVELOPMENT INTERN

Jul. 2021 - Jun. 2022

- Firmware development data engineering and visualization.
- Improve the efficiency of project managers in managing firmware development and enhance cross-team information integration.

Quoger

Taipei, Taiwan

CO-FOUNDER

Aug. 2020 - Jun. 2021

- Responsible for full-stack architecture designing and development managing.
- Develop cross-platform apps with React-Native, complete the CI/CD process with Gitlab and be responsible for the IOS launch process.

NTU Computer Programming Course

Taipei, Taiwan

TEACHING ASSISTANT, NATIONAL TAIWAN UNIVERSITY

Sep. 2020 - Jan. 2022

- Attentively lead the freshman students to understand the basic concepts of computers and learn basic programming skills with Python.
- Responsible for designing course materials and teaching experimental courses. Participated in designing assignment and grading final project.

NTU Technology Innovation and Startup Course

Taipei, Taiwan

TEACHING ASSISTANT, NATIONAL TAIWAN UNIVERSITY

Feb. 2021 - Jun. 2022

- Solve students' problems and guide them to create concept of a feasible, and profitable business models and finish a dazzling business plans.
- Responsible for managing the course platform, and participate in the scoring of mid-term and final report.

NTU Data Science and Artificial Intelligence Lab (Instructed by Prof. Tsung-Nan Lin)

Taipei, Taiwan

GRADUATE RESEARCH ASSISTANT, NTU DEPARTMENT OF ELECTRICAL ENGINEERING

Feb. 2020 - Sep. 2022

- Cooperate with Cathay Bank to conduct research on the detection of anomaly behavior of online banking.
- IoT verification system based on blockchain and PUF(Physically Unclonable Function).

NTU Information Economics and Optimization Lab (Instructed by Prof. Ling-Chieh Kung)

Taipei, Taiwan

UNDERGRADUATE RESEARCH ASSISTANT, NTU DEPARTMENT OF INFORMATION MANAGEMENT

Jan. 2019 - Feb. 2020

- Cooperate with TransGlobe Life Insurance to design an automated optimized scheduling system for customer service personnel based on operating research

NTU Resource Management Lab (Instructed by Prof. Chyi-Rong Chiou)

Taipei, Taiwan

UNDERGRADUATE RESEARCH ASSISTANT, NTU DEPARTMENT OF FORESTRY AND RESOURCE CONSERVATION

Jun. 2018 - Feb. 2020

- Research of quantification of Urbanization with Remote Sensing Images

Publication

2022 **NTU Master Thesis**, AI-URG: Account Identity Based Uncertain Graph Algorithm for Fraud Detection

Taipei, Taiwan

2021 **IEEE GLOBECOM**, DRAGON: Detection of Related Account Groups for Online services with uncertain graphs

Madrid, Spain