

# Hsing-Yu Shih

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## Education

### NTU (National Taiwan University)

Taipei, Taiwan

M.S. IN GRADUATE INSTITUTE OF COMMUNICATION ENGINEERING

Feb. 2020 - now

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

### NTU (National Taiwan University)

Taipei, Taiwan

B.S. IN INFORMATION MANAGEMENT

Sep. 2015 - Feb. 2020

B.S. IN FORESTRY AND RESOURCE CONSERVATION (DOUBLE MAJOR)

- Major in Biomaterial & Resource Conservation and Management (Forestry Department)

## Experience

### Microsoft

New Taipei City, Taiwan

RESEARCH AND DEVELOPMENT INTERN

Jul. 2021 - now

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

### NTU Computer Programming Course

Taipei, Taiwan

TEACHING ASSISTANT, NATIONAL TAIWAN UNIVERSITY

Sep. 2020 - now

- 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. 2021

- 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 - now

- 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).

### 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.

### T-Shield

Taipei, Taiwan

CO-FOUNDER

Jun. 2020 - Nov. 2020

- Committed to designing a secure verification system to ensure the trust between devices to improve the security of IoT applications.
- CYBERSEC 2020 Exhibitor & TAcc+ seed accelerators create team(2020fall)

### 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

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

Madrid, Spain