

EDUCATION

National Taiwan University*Master of Science in Electrical Engineering*

Taipei, Taiwan

July 2022

National Tsing Hua University*Bachelor of Science in Computer Science*

Hsinchu, Taiwan

Jun 2019

INTEREST

Security, Hardware security

RESEARCH EXPERIENCE

Research Assistant, National Taiwan University

Sep 2020 - July 2022

Dependable Distributed Systems and Networks Laboratory, Department of Electrical Engineering

- Research hardware security and hardware Trojan
- Advisor: Prof. Sy-Yen Kuo, IEEE fellow

Research Assistant, Academia Sinica

Sep 2019 – Feb 2020

Open Source Software Foundry, Institute of Information Science

- Develop BeDIS(Building/environment Data and Information System) based on LBeacon.
- Work with the National Taiwan University Hospital.
- Advisor: Prof. Jane Liu, IEEE fellow

Summer Intern, Academia Sinica

Jul 2019 – Aug 2019

Computation Theory and Algorithms Lab, Institute of Information Science

- Study on quantum theory, algorithm, and cryptography.
- Due to Chinese material about quantum is hard to find, I have written a gitbook about some quantum theory.
- Gitbook: <https://chiwei955201314.gitbook.io/quantum/>
- Advisor: Prof. Kai-Min Chung

Undergraduate Research Assistant

Sep 2019 – Feb 2020

Logos Lab, Department of Computer Science

- Project : Blockchain-based mobile pass infrastructure
- Construct a mobile e-ticket system based on Hyperledger Fabric, Hyperledger Composer, MongoDB and React Native APP.
- Advisor: Prof. Ren-Song Tsay

TEACHING EXPERIENCE

Teaching Assistant

2021 spring

Computer Programming, National Taiwan University

- Supervisor: Prof. Jiun-Lang Huang

Teaching Assistant

2021 fall

Machine Learning Foundation, National Taiwan University

- Supervisor: Prof. Hsuan-Tien Lin

Teaching Assistant

2021 fall

Discrete Mathematics, National Taiwan University

- Supervisor: Prof. Sy-Yen Kuo

Teaching Assistant

2018 fall

Data Structure, National Tsing Hua University

- Supervisor: Prof. Ren-Song Tsay

Teaching Assistant

2017 spring

Programming 1&2, National Tsing Hua University

- Github: <https://github.com/htchen/i2p-nthu>
- Supervisor: Prof. Hwann-Tzong CHen

INTERNSHIPS

Assistant Engineers, Kingston

Sep 2017 – Mar 2018

Mechanical Design Engineering Department

- The leader of focusgroup including National Tsing Hua University and National Chiao Tung University students.
- Organized product testing activities of 200 students and provide feedback for senior engineers.
- Assisted senior engineers in experimenting, analyzing data and maintain database.

Summer Intern, Lee And Li Attorneys-at-law

Jun 2017 – Aug 2018

Patent and Technology Department

- Assisted mentor to read the papers related to customer products about computer science and make a draft of the patent document.

PUBLICATION

- C.-W. Chen, P.-Y. Lo, W.-T. Hsu, C.-W. Chen, C.-W. Tien and S.-Y. Kuo, "A Hardware Trojan Insertion Framework against Gate-Level Netlist Structural Feature-based and SCOAP-based Detection," 2022 IEEE 65th International Midwest Symposium on Circuits and Systems (MWSCAS), Fukuoka, Japan, 2022
- P.-Y. Lo, C.-W. Chen, W.-T. Hsu, C.-W. Chen, C.-W. Tien and S.-Y. Kuo, "Semi-supervised Trojan Nets Classification Using Anomaly Detection Based on SCOAP Features," 2022 IEEE International Symposium on Circuits and Systems (ISCAS), Austin, TX, USA, 2022