Szuyu Lee

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EDUCATION

Sep 2022	**Master of Computer Science, National Tsing Hua University**	Hsinchu
	Graduate Researcher at Embedded Platform Lab	
Sep 2017 — Jan 2022	**Bachelor of Computer Science, National Tsing Hua University**	Hsinchu
	Cumulative GPA: 4.02/4.3	
	Once won Academic Excellence Award (top 5% student in department)	

INTERNSHIP AND EXPERIENCES

Jul 2021 — Jan 2022	**Software&Firmware Intern, ASUS**	Taipei

- Integrated WiFi Display, Android simulators into Linux systems, using C/shell scirpts to code
- Made Researches about Linux (Debian) kernels and participated in development of interfaces & apps

Jan 2021 — Jun 2021	**Software Intern, Taiwan Semiconductor Research Institute**	Hsinchu

- Developed Android AI applications through MediaTek NeuroPilot Platform with Java and Python
- Designed and edited tutoring videos of Scratch games with specific senors

Mar 2020 — Jun 2021	**Undergraduate Blockchain Project Researcher, Logos Lab, National Tsing Hua University**	Hsinchu

- Built a blockchain prototype with new consensus: Proof of Refundable Tax
- Attended a weekly study group to make presentations of papers and demonstration of experiments′ results

Mar 2019	**Contestant, 2019 MakeNTU Hackathon**	Taipei

- Designed and partially implemented a smart bookshelf which can detect books automatically
- Connected chatbot API to let the system communicate with users

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SELECTED PROJECTS

Feb 2021 — Jun 2021	**Introduction to Multimedia -- Live Video Streaming**	Python

- Implemented HYSA algorithm to improve QoE of video streaming by 100%
- Among top 5% in class of ACM Multimedia Live Video Streaming Grand Challenge

Mar 2020 — Jun 2020	**Partial Implmentation of Calvin Database′s upper layer**	Java

- Implemented Communication layer, Concurrency layer, Metadata and Scheduler
- Reduced latency of transactions by 20%

Dec 2019 — Jan 2020	**Operating System -- Nachos Study and Development**	C++

- Implemented 3-level CPU scheduling, System Call and Virtual File system in Nachos OS
- Improved the efficiency and concurrency of Nachos OS

May 2019 — Jun 2019	**Software Studio -- Web Chatting Room**	PHP, Javascript , HTML

- Designed and implemented a web chatting room on university′s server as a group member
- Practiced the manipulation and management of data with Mysql

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SKILLS

Kali (Debian) Linux	Git
HTML & CSS & Javascript	C/C++ , Python , Java
Blockchain & Contracts	AWS(EC2) , Azure IoT