

Szuyu Lee

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EDUCATION

Sep 2017 — Feb 2022 **Bachelor of Computer Science, National Tsing Hua University** Hsinchu
Cumulative GPA: 3.99/4.3
Interdisciplinary program: Fintech and Blockchain

EXPERIENCES

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

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

Mar 2020 — Jan 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 read papers and gain knowledge of blockchain
- Performed presentations and demonstrations of results regularly

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
- Utilized AWS EC2, Raspberry PI, OpenCV codes and used Python and Javascript

Jul 2018 **Staff, 2018 NTHU Computer Science Camp** Hsinchu

- Arranged summer camp for high school students to learn about computer science as a team.

SKILLS

HTML & CSS	Java
Linux	JavaScript
PHP	Python
MySQL	C++
Git	AWS EC2

SELECTED PROJECTS

May 2020 — Jun 2020 **Partial Implementation of Database** Java

- Designed the structure of Calvin Database system based on given VanillaDB
- Increased throughput of Calvin Database by 20% by removing redundant synchronizations

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

Dec 2018 — Jan 2019 **Hardware game design on FPGA** Verilog

- Implemented a simplified version of Doodle Jump with keyboard and VGA control