

James Young

☎ +852 95731718 | ✉ jyyoungaa@connect.ust.hk | 📞 jamesyoung-15 | 💼 linkedin.com/in/jamesyyoung

EDUCATION

The Hong Kong University of Science and Technology
BEng in Electronic Engineering

Hong Kong
Sept. 2020 – Present

RELEVANT COURSEWORK

- Intro. to Computer Science
- Programming with C++
- Intro. to Computer Organization and Design
- Electronic Circuits
- Electro-Robot Design
- Computer Communication Networks

PERSONAL PROJECTS

HTTP 1.1 Web Server | C

- Created a simple HTTP 1.1 web server in C that is able to serve static web pages and images to a client's web browser.
- Uses concepts of socket programming to connect client and server and HTTP protocol to serve files.

ESP32 Temperature and Humidity Monitor | C

- Created an IoT temperature and humidity sensor using an ESP32 and DHT11 sensor and programmed in C with ESP-IDF framework.
- Program reads the sensor data from GPIO, converts it to temperature and humidity, then sends the data over a HTTP server to be able to view the data on a webpage.

Home Server | Bash, Linux

- Built home server running bare metal Ubuntu server to host various services such as NextCloud with Docker.
- Became familiar and comfortable around Linux and command-line interface. Also learned and applied various networking concepts such as reverse proxies, vlans, etc.

SKILLS

Programming Languages: C, C++, Python

Tools/Software: Git, Linux, Bash

Languages: English (Native), Mandarin (Conversational)

WORK EXPERIENCE

Student Helper (Part Time)

June 2021 – July 2021

HKUST

- Helped school event by sending out invitations to primary, secondary, and tertiary schools in HK. Worked in a small team to compile mailing list of all the schools in Excel then sent invitations using Outlook.
- Helped update and check course materials for class on Canvas

EXTRACURRICULAR ACTIVITIES

- HKUST Football Team Jan. 2021 - Present
- Project C - Connect x Community (Volunteer Program) Oct. 2020 - Feb. 2021