James Young

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EDUCATION

The Hong Kong University of Science and Technology   Hong Kong
BEng in Electronic Engineering   *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. Uses concepts of socket programming to connect client and server.

ESP32 Temperature and Humidity Monitor | *C*
- Created an IoT temperature and humidity sensor for my room using an ESP32 and DHT11 sensor.
- C program reads the sensor data from GPIO and sends temperature and humidity data over a HTTP server to be able to view data online.

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 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