JAMES YOUNG

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EDUCATION

The Hong Kong University of Science and Technology　　　　　**2020 – Present**
- BEng Electronic Engineering

RELEVANT COURSEWORK

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

PERSONAL PROJECTS

HTTP 1.1 Server ⧉ | C
- Created a simple HTTP 1.1 web server from scratch in C using socket programming.

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 ⧉ | Linux, Bash
- Built home server running bare metal Ubuntu server to host services such as NextCloud with Docker.
- Became familiar and comfortable around Linux and the command-line interface. Also learned and applied knowledge of networking concepts such as proxies.

SKILLS

Programming Languages: C, C++, Python
Tools/Software: Linux, Git, Bash
Spoken Languages: English (Native), Mandarin (Conversational)

Work Experience

HKUST Student Helper　　　　　**June 2021 – July 2021**
- 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**　　　　　**January 2021 - Present**
- **Project C - Connect x Community (Volunteer Program)**　　　　　**October 2020 - February 2021**