# 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 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.

**Student Management System** | *C++*
- Created a student record management system that can insert, print, search, and delete student record.
- Done using linked list approach to manage student data.

## 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