

# 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++
- Object-Oriented Programming and Data Structures
- Intro. to Computer Organization and Design
- Computer Communication Networks
- Data-Driven Portfolio Optimization

## SKILLS

---

**Programming Languages:** C++, Javascript, Python, SQL (Postgres), HTML/CSS

**Frameworks:** NodeJS, Django, ReactJS

**Tools/Platforms:** Git, Docker, Linux

**Languages:** English (Native), Mandarin (Conversational)

## WORK EXPERIENCE

---

**IoT Intern | Graphite Venture Limited** 🔗

*C++, ESP32, Arduino*

December 2022 – May 2023

*(Full and Part Time)*

- Developed Arduino libraries for reading water sensor data with ESP32 and sending sensor data to AWS IoT Core through MQTT with a SIM7600G module.
- Created an Arduino library for communicating to multiple ESP32 with ESP-Now protocol.

## PROJECTS

---

**To-Do List** 🔗

- Created a to-do list website using Django framework with user authentication and ability for user to create, update, and delete each task.
- Deployed Django application on an AWS EC2 instance with Docker using Gunicorn, Nginx-Proxy, Letsencrypt, and Postgres as database.

## EXTRACURRICULAR ACTIVITIES

---

- HKUST Football Team
- Jan. 2021 - Present