James Young

✉ jyyoung@bu.edu | ⌨ jamesyoung-15 | in linkedin.com/in/jamesyyoung

EDUCATION

The Hong Kong University of Science and Technology   Hong Kong
BEng in Electronic Engineering - Minor in Information Technology   *Sept. 2020 – June 2024*

- GPA: 3.1

Boston University   United States
Master of Science in Computer Science (Part Time)   *Sept. 2024 – Present*

SKILLS

Operating Systems: Linux (Debian-based Distros), Windows 10, Windows Server 2019
Hypervisors: Proxmox, VMWare ESXi
Programming/Scripting: Python, C++, Bash
Others: PC Hardware Assembly, Basic Networking Concepts (DNS, VLANs, etc.)

WORK EXPERIENCE

Software Developer Intern   December 2023 – Feburary 2024
Intelligent Design Technology Limited   *Hong Kong*

- Developed a prototype for real-time human fall detection for a Raspberry PI based robot.
- Fall detection uses Tensorflow and Movenet for pose estimation and heuristics for determining fall.

Electronic Engineering Intern   August 2023
Kolour Think Tank   *Hong Kong*

- Developed a digital utility meter reader that takes images of a utility meter with an ESP32-CAM, stores images to AWS S3, reads the meter reading with Rekognition, and stores the data in DynamoDB.

IoT Intern   December 2022 – May 2023
Graphite Venture Limited   *Hong Kong*

- Developed Arduino libraries for reading water sensor data with ESP32 and sending sensor data to AWS IoT Core through MQTT.

PROJECTS

Home Server

- Built home server running Proxmox hypervisor for self-hosting services and applications such as Nextcloud using Linux containers and virtual machines.
- Built servers using consumer PC hardware parts.

Serverless Face Blurring

- A serverless application that blurs faces on an image using OpenFaaS and Python. Stores the transformed image in a MinIO storage bucket.
- Application deployable on Kubernetes using MiniKube and Helm charts.