

James Young

✉ jyyoung@bu.edu | 🌐 jamesyoung-15 | 🔗 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.), AWS (EC2, S3, Lambda)

WORK EXPERIENCE

Software Developer Intern

December 2023 – February 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.