

James Young

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

EDUCATION

The Hong Kong University of Science and Technology

BEng in Electronic Engineering - Minor in Information Technology

Hong Kong

Sept. 2020 – June 2024

Boston University

Master in Computer Science

United States

Sept. 2024 – Present

CERTIFICATIONS

- AWS Certified Solutions Architect (SAA-C03)
- Red Hat Certified System Administrator (RHCSA)
- HashiCorp Certified: Terraform Associate (003)

SKILLS

Programming Languages: Python, Javascript, Bash

Tools/Platforms: AWS, Linux, Git, Terraform, Ansible, Docker

Others: Networking Concepts (VLANs, VPN, DNS, etc.)

WORK EXPERIENCE

Intelligent Design Technology

Software Developer Intern

Hong Kong

December 2023 – February 2024

- 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.

Graphite Venture Limited

IoT Intern

Hong Kong

December 2022 – May 2023

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

PROJECTS

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.

Home Server

- Built homelab running Proxmox for self-hosting services such as file and media server using Linux containers and VMs.
- Applied various tools such as Docker for containerization, Grafana for monitoring, Ansible for automation, etc.

Air Quality Monitoring Dashboard

- A fullstack project that stores and displays my home's air quality sensor data using AWS services.
- Backend uses DynamoDB with API Gateway and Lambda as middleware. Application deployed on an EC2 instance.