

James Young

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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)

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.

Kolour Think Tank
Electronic Engineering Intern

Hong Kong
July 2023 – August 2023

- Architected a cheap IoT serverless digital utility meter reader using an ESP32-Cam and integrated with AWS services such as S3, Rekognition, DynamoDB.

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.