# 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*

**Boston University** — United States
*Master in Computer Science* — *Sept. 2024 – Present*

## Certifications

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

## Skills

**Programming Languages**: Python, Javascript, Bash
**Tools/Platforms**: Linux, AWS, Kubernetes, Terraform, Ansible, Docker, Git
**Others**: Networking Concepts (VLANs, VPN, DNS, etc.)

## Work Experience

**Intelligent Design Technology** — Hong Kong
*Software Developer Intern* — *December 2023 – Feburary 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** — Hong Kong
*Electronic Engineering Intern* — *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** — Hong Kong
*IoT Intern* — *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.