

# James Young

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## EXPERIENCE

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### Infrastructure Engineer

January 2026 – Present

*American Family Insurance*

*United States*

- Developed and maintained Ansible playbooks for automated server provisioning and configuration management across multiple environments, reducing setup time by over 30%
- Assisted with Linux and Windows server builds, configuration management, and maintenance and troubleshooting tasks

### Software Engineering Intern

June 2025 – December 2025

*Granite Telecommunications*

*United States*

- Built testing infrastructure that automates flashing images to Linux edge devices, orchestrate health checks, and run verification scripts to streamline device QA
- Added FastAPI endpoints for developers to access devices, run tests, and retrieve results remotely
- Worked on building an automated invoice processing pipeline using OCR and Gemini to extract, classify, and structure data from unstructured invoices from multiple vendors

### Software Developer Intern

December 2023 – February 2024

*Intelligent Design Technology Limited*

*Hong Kong*

- Developed a prototype for human fall detection for a Raspberry PI based robot in Python using OpenCV and TensorFlow

## SKILLS

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**Languages:** Python, Bash, SQL

**Tools:** Git, Ansible, Terraform, Docker

**Platforms:** Linux (RHEL, Debian, Ubuntu), Windows Server (2019, 2022), Proxmox

**Cloud:** AWS (EC2, S3, IAM, VPC, Lambda)

## CERTIFICATIONS

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

## PERSONAL PROJECTS

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### Homelab

*jyyhomelab.com*

*Linux, Docker, Ansible, Terraform*

- Built and managed a setup of servers and network equipment for experimenting and self-hosting services
- Utilized Proxmox for virtualization, OPNsense for network management, and Terraform and Ansible for infrastructure as code and configuration management

### Serverless Face Blurrer

*faceblur.jyyylab.com*

*React, Python, Lambda, DynamoDB, S3, Rekognition, Terraform*

- Developed a full-stack application that automatically blurs faces in images uploaded to an S3 bucket with job queues stored in DynamoDB
- Frontend built with React and backend built with Python using AWS Lambda and Rekognition, SQS for job queuing
- Deployed the application using Terraform with CI/CD implemented with Github Actions

## EDUCATION

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### Boston University

United States

*Master of Science in Computer Science*

*September 2024 – Present*

### Hong Kong University of Science and Technology

Hong Kong

*Bachelor of Engineering in Electronic Engineering*

*September 2020 – June 2024*