

James Young

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EXPERIENCE

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
- 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

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

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

PERSONAL PROJECTS

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

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