Yung-Chi Huang

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Education

National Central University
B.S., Computer Science and Information Engineering — Jun 2026 (Expected)

Experience

25sprout Co., Ltd. — June 2025 - Present
DevOps Engineer Intern

7th AWS Educate Campus Ambassador Dev Team — Dec. 2024 - Present
Full-Stack Developer (Frontend, Backend)

- Contributed to TPET, a serverless email system using microservices and cloud-native architecture
- Set up CI/CD pipelines with Vercel and Netlify for automated deployment and preview testing
- Used Postman to test RESTful APIs, verifying image upload and Lambda integration flows

eCloudvalley Digital Technology Co., Ltd. — July 2024 - Sep. 2024
Cloud Developer Intern

Projects

Zero Trust Federated Learning Platform on Blockchain — Feb. 2025 - Present
Full-Stack Developer (Container Networking, Backend, Frontend)

- Built a microservice-driven federated learning system with modular services and dual API support (REST/gRPC) for efficient, low-latency communication and schema enforcement.
- Deployed the training environment using Docker containers on Ubuntu, managing isolated, scalable training tasks across organizations under a Linux-based infrastructure
- Applied Zero Trust security principles and TLS-on-chain validation to ensure secure, authenticated communication in multi-party training scenarios
- Designed and maintained the underlying container network architecture, configuring secure peer-to-peer communication, port exposure, and internal DNS resolution between training nodes

Smart Infrastructure Inspection: ICAM-540 + GenAI Edge-Cloud Collaboration Sol. — April 2025
Backend Developer

- Provisioned a secure serverless architecture using Terraform, automating the deployment of WAF → CloudFront → API Gateway → Lambda for scalable request handling and protection
- Deployed Lambda containers via AWS ECR(Elastic Container Registry) and built RESTful APIs to support backend workflows
- Designed a secure upload flow using pre-signed URLs to enhance access control and reduce credential exposure

Reverse image search engine — Feb. 2025 - March 2025
Backend Developer

- Developed a multimodal image search system using pre-trained embeddings and KNN-based retrieval for accurate text-to-image and image-to-image queries.

AI Guardian — Aug. 2024 - Sep. 2024
Backend Developer

- Developed a serverless conversational assistant that automates AWS WAF provisioning with over 70% faster setup via Infrastructure as Code.
- Implemented RESTful APIs to support dynamic rule configuration and validation, applying firewall logic and DevOps practices to ensure scalable and secure deployment.

Certifications

AWS Certified AI Practitioner, AWS Certified Cloud Practitioner
Collegiate Programming Examination

4.5% | solved 5/7 | Professional (A)

Skill sets

Skills

Python, C++, Docker, Linux, Jenkins, AWS, GCP, Terraform, Hyperledger Fabric, TypeScript, React, Robotiive, MySQL, Postman