

# Hugo (Chun-Ho) Lin

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## EDUCATION

### University of Southern California

Master of Science in Computer Science - Scientists and Engineers

August 2025 - Present

Los Angeles, CA

### National Central University

Bachelor of Science in Atmospheric Sciences

September 2020 - June 2024

Taoyuan, Taiwan

- **Minor specialty:** Programming design in computer science
- **TA:** Guided students in Linux and Edge Computing, Programming Python, and Weather and AI courses.

## SKILLS

- **Frontend:** TypeScript, Next.js, React, Tailwind CSS, Vite, Vitest, Jest, Turborepo
- **Backend:** Python (Django, FastAPI, Flask), AWS Lambda, Go, Redis, MySQL, Supabase, Firebase
- **DevOps:** AWS, Docker, Git, Linux, GitHub Actions, Azure
- **AI/LLM:** LangChain, TensorFlow, AWS Bedrock, Azure OpenAI, Scikit-learn, Gradio

## INTERNSHIP EXPERIENCE

### Futurenest

R&D Engineer

December 2024 - January 2025

Taipei, Taiwan

- Shipped Django APIs (100% test coverage), containerized via AWS ECR, and documented for external use.
- Created Next.js chat UI with [v0.app](#), and integrated it with the custom API backend

### eCloudValley Digital Technology

Cloud Engineer

March 2024 - May 2024

New Taipei, Taiwan

- Led a 5-member agile team to build a serverless AWS Bedrock solution, earning top internship honors.
- Engineered multi-modal recognition (95% accuracy, 10+ cases) for ticket classification.
- Communicated technical requirements and drove 80% efficiency increase through automated ticket system.

### PEGATRON Corporation

AI Engineer

July 2023 - August 2023

Taipei, Taiwan

- Developed and presented a Smart Manufacturing LLM POC to the CTO, earning a Silver team award.
- Utilized Prompt Engineering and LangChain to enable speech/text operation on the NVIDIA Omniverse robot.
- Collaborated effectively within a 5-member Agile team to boost test support by 83% (11 scenarios, 85% stability).

## PROJECTS

### lchooo.com

Frontend Developer

January 2024 - Present

[github](#) | [website](#) | [video demo](#)

- Architected a Next.js portfolio/blog powered by React, Tailwind, TypeScript, Supabase, SWR, and MDX.
- Optimized performance to achieve near-perfect Lighthouse scores and gained 300+ GitHub stars.

### ToDAM

Cloud Developer

March 2024 - May 2024

[github](#) | [video demo](#)

- Built a hybrid-cloud ticket system using FastAPI on AWS Lambda and Azure to process 100+ daily tickets.
- Streamlined categorization/routing APIs, containerized in Docker/AWS ECR, and enhanced by AWS DynamoDB.

### Online Anonymous Multi-User Message Board

Fullstack Developer

October 2023 - December 2023

[github](#) | [video demo](#)

- Implemented real-time multi-user chatrooms incorporating Go WebSockets with multi-threading and non-blocking sockets.
- Designed the Go socket API and integrated it with a React frontend for a seamless user experience.

## EXTRACURRICULAR ACTIVITIES

### Amazon Web Services

Cloud Ambassador - Technical Support

August 2023 - February 2024

Taipei, Taiwan

- Developed and delivered two technical workshops, effectively educating over 700 cloud developers (achieving 96% satisfaction) on AWS cloud services including S3, Lambda, and EC2.