Chun-Ho Lin

Incoming CS Graduate Student at University of Southern California.

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EDUCATION

University of Southern California 📍 *Los Angeles, CA*
Master of Science in Computer Science, Andrew and Erna Viterbi School of Engineering Aug. 2025 - May. 2027

National Central University 📍 *Taoyuan, Taiwan*
Bachelor of Science in Atmospheric Sciences, College of Earth Sciences Sep. 2020 - Jun. 2024
- Minor specialty: Programming design in computer science

TECHNICAL SKILLS

- Programmings: Python (primary), TypeScript, C++/C, Java, Go, JavaScript, X86 Assembly, LaTeX
- DevOps: AWS, Docker, Git, Bash, GitHub Actions, Azure, Terraform, Kubernetes, mySQL, Redis
- ML/DL: LangChain, TensorFlow, Scikit-learn, Keras, Numpy, Pandas

PROFESSIONAL EXPERIENCE

eCloudValley Digital Technology 📍 *New Taipei, Taiwan*
Cloud Engineer Intern Mar. 2024 - May. 2024
- Led a team of 5 to enhance issue pools with AWS Bedrock, boosting cloud support efficiency by 80% through multi-language support and 95% accurate image recognition. Honored as the top-achieving internship team.
- Utilized a serverless architecture on AWS Lambda, performing troubleshooting with CloudWatch, deployed via AWS CDK, and integrated with DynamoDB and Bedrock services.
- Documented issues in 10+ mock cases, such as VPC entry failures, EC2 Apache server restarts, and S3 photo access problems, and provided detailed solutions for interns. Refer here for a comprehensive list.

Amazon Web Services 📍 *Taipei, Taiwan*
Cloud Ambassador Technical Support Aug. 2023 - Feb. 2024
- Educated 700+ cloud developers and achieved 96% user satisfaction by conducting 2 technical workshops, developing an open-source project, and 1 UAD with AWS cloud services. Refer here for the source code.
- Conducted a comprehensive 35+ page market research study on cloud suppliers as part of an 11-member team.

PEGATRON Corporation 📍 *Taipei, Taiwan*
Software Engineer Intern Jul. 2023 - Aug. 2023
- Executed a POC, adapting an LLM model for Smart Manufacturing, and was awarded Silver internship team.
- Collaborated with a team of 5, utilized Git, a CI/CD pipeline, and followed an agile Scrum workflow.
- Implemented Prompt Engineering and LangChain for the NVIDIA Ominerve visual robot, enabling seamless speech/text operation, boosting test support by 83% across 6-11 scenarios with 85% stability.

National Central University 📍 *Taoyuan, Taiwan*
Website Developer Jul. 2022 - Jan. 2023
- Partnered with a team of 2 to develop a multi-user score management system for the Center for Teacher Education, reducing credit exemption processing time by 80% and remotely maintaining the server via SSH.

SELECTED PROJECTS

Refinaid: Bridging the Gap with AI For Everyone 🐙 *Code* / 📘 *Docs*
Founder / Fullstack Developer Aug. 2023 - present*
- Built 2 low-code platforms, SIMPLE-AI and Chatger, while serving as a TA for 3 courses, offering a no-code interface for training AI/ML/DL models and a coding platform for homework submissions with LLM assistance.

1chooo.com: A Monorepo of Personal Website and Blog 🐙 *Code* / 📘 *Docs* / 🖥 *Demo*
Frontend Developer Jan. 2024 - present*
- Refactored HTML/CSS template to React components, integrated with Next.js Turborepo, and tested with Jest.

Lisp intepreter 🐙 *Code* / 📘 *Docs*
Compiler Engineer Oct. 2023 - Jan. 2024
- Crafted a Lisp Interpreter using C and YACC to parse and evaluate if expressions, variable definitions, numerical operations, nested functions, type checking, and recursion in Lisp.

AWARDS

- Top-Achieving Internship Team, eCloudValley Digital Technology Mar. 2024 - May. 2024
- Silver Internship Team, PEGATRON Corporation Jul. 2023 - Aug. 2023
- Second Place & Sustainability Special Award, 2023 Weather Hackathon *May. 2023 - Aug. 2023*