Chun-Ho (Hugo) Lin

Software Engineering | B.S. in ATM, NCU | Ex AWS Educate, Pegatron, eCloudValley

📞 (+886) 909 001 068 | ✉️ hugo970217@gmail.com | 🌐 1chooo.com | 🐙 1chooo | 💼 in/1chooo/

PROFESSIONAL EXPERIENCE

- **eCloudvalley Digital Technology** 📍 *New Taipei, Taiwan*
Cloud Engineer Intern Mar. 2024 - May. 2024
  - Utilized a serverless architecture on **AWS Lambda**, performing **troubleshooting with CloudWatch**, deployed via **AWS CDK**, and integrated with **DynamoDB and Bedrock** services.
  - **Led a team of 5** to enhance the existing ticket system with Claude, boosting **cloud support enigineer efficiency by 80%**. Integrated **multi-language** support and **image recognition**, achieving **95%** accuracy.
  - Identified issues in **10+** mock-cases, like **VPC entry failures, EC2 Apache Server restarts, and S3 photo access problems**. Documented solutions in a Tech Note for sharing with interns.
- **Amazon Web Services** 📍 *Taipei, Taiwan*
Cloud Ambassador Technical Support Aug. 2023 - Feb. 2024
  - Educated **700+** cloud developers and achieved **96%** of user satisfaction by publishing and lecturing **2+ technical workshops, 1 UAD** on AWS cloud computing services (**Lex, Amazon S3, Lambda, API Gateway**).
  - **Developed** an **open-source** project called "**AWS 101 LINE Bot**" designed for integration with **AWS 101**.
- **PEGATRON Corporation** 📍 *Taipei, Taiwan*
Software Engineer Intern Jul. 2023 - Aug. 2023
  - Implemented **Prompt Engineering and LangChain**, the **NVIDIA Ominerve visual robot** seamlessly operates via **speech or text**, boosting multi-scenario test support by **83%** across **6 to 11** scenarios with **85%** stability.
  - Executed the **Proof of Concept (POC)** within Scrum, transitioning the LLM model to a **Web Application** leveraging **Gradio**, the premier UI toolkit for the **FastAPI** framework. Demonstrated at the 2024 Nvidia GTC.
- **National Central University** 📍 *Taoyuan, Taiwan*
Website Developer Jul. 2022 - Jan. 2023
  - Collaborated with a team of 5 to develop a multi-user score management system for the Center for Teacher Education, reducing the time required for credit exemption by 80%, and maintained the server remotely using SSH

SELECTED PROJECTS

- **UML Editor with Object Oriented Design Patterns** *Mar. 2024 - present*
App Developer, Java, Swing, Object-Oriented Programming 🐙 uml-editor | 🖥️ Docs
  - Leveraged the **Model–View–Controller (MVC)** architecture, implemented a **loosely coupled** UML editor with the goal of achieving **"unchanged underlying logic and continuous expandability in the future"!**
- **CTF: The Attack and Defense of Computers Course Project** *Oct. 2023 - Jan. 2024*
EC2, Reverse Engineering, C, C++, SQL, Bash, X86 Assembly, Shell Code 🐙 ctf-writeups | 🖥️ Docs
  - Utilized gdb on **EC2** for reverse engineering, successfully achieved **100%** success rate by identifying the **root causes**. Topics included stack overflow, shellcode injection, and executing web SQL command injection.
- **Online Anonymous Multi-User Message Board** *Oct. 2023 - Dec. 2023*
Fullstack Developer, Go, Socket, TCP, React, Typescripts 🐙 AnonChat | 🖥️ Docs
  - Implemented **Web Sockets** in **Go** for real-time multi-user chatrooms using **TCP** protocol. Achieved **multi-threading** and **non-blocking sockets**, integrated socket API with **React** frontend.

EDUCATION

- **National Central University** 📍 *Taoyuan, Taiwan*
Bachelor of Science in Atmospheric Science, Minor in Computer Science & Information Engineering Sep. 2020 - Jun. 2024
  - **Relevant Courses:** The Attack and Defense of Computers, Software Engineering, Object-Oriented Analysis and Design, Principles of Programming Languages, Computer Network, Operating System.
  - **TA:** Linux and Edge Computing, Programmiing Python, Weather and Artificial Intelligence.

AWARDS & LEADERSHIP

- **Second Place & Sustainability Special Award, 2023 Weather Hackathon** *May. 2023 - Aug. 2023*
Backend Developer, Flask, Pytorch, OpenCV, LineBotSDK 🐙 Weather Shakespeare | 🖥️ Blog
  - Lead a team of 5 to develop a **Carbon Footprint Platform** for concurrent **100+** users. Achieved **95%** recyclable identification from **6000+** images and integrated user feedback for model **fine tuning**.
- **NCUFresh: Provide freshmen a preview of diverse university life!** *Dec. 2021 - Jul. 2022*
Website UI/UX developer, Vue.js, UI/UX, Figma, Notion 🐙 NCU Fresh | 🖥️ NCUBlog
  - Curated **50+** articles across various themes including fun, talk, life, and storytelling for the blog page, **integrated the Notion API with Vue.js**, and achieved an average of **1,000+ views** per article within the first month.