

# Hugo ChunHo Lin

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

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## PROFESSIONAL EXPERIENCE

- **eCloudvalley Digital Technology** 📍 New Taipei, Taiwan  
*Cloud Engineer Intern / EC2 (Amazon Linux 2), Lambda, Docker, VPC, DynamoDB, Bedrock* 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 engineer 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 / Leadership, Lambda, s3, API Gateway, Lex* 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 / Python, FastAPI, LangChain* 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](#).

## 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.

## 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.

## 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.