

# Hugo ChunHo Lin

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## PROFESSIONAL EXPERIENCE

- **eCloudvalley Digital Technology** 📍 New Taipei, Taiwan  
Cloud Engineer Intern Mar. 2024 - present
  - Built a **backend** server using **Python FastAPI**, integrating **Redis and DynamoDB**, and containerized it with **Docker** for deployment on **AWS EC2**.
  - Applied **Azure PromptFlow, LangChain** to mimic Technical Account Manager (TAM) tasks. Leveraged **Task-Oriented Driven LLM** to automate ticket creation in the system, aiming for an **80%** accuracy rate.
- **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.
- **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**.

## TECHNICAL SKILLS

- **Programming Languages:** Python, Go, C/C++, Java, TypeScript, JavaScripts, Redis, MySQL.
- **Gen AI/AI:** LangChain, PromptFlow, AWS Bedrock, Hugging Face, Keras, Tensorflow, Scikit-learn.
- **DevOps:** AWS, Azure, Git, Docker, Bash, Linux, GitHub Action, GitLab, Kubernetes, Nginx.

## EDUCATION

- **National Central University** 📍 Taoyuan, Taiwan  
Bachelor of Science in Atmospheric Science, Minor in Computer Science & Information Engineering Sep. 2020 - present
  - **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, Programming 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**"!
- **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.
- **Serverless GO Line Bot deployment with AWS SAM** Jan. 2024  
DevOps, Go, Gin, AWS SAM, AWS Lambda, API Gateway 📄 go-linebot-aws-sam-cli
  - Deployed a **GO Line Bot to AWS Lambda** using **AWS SAM CLI** and directly linked it to **API Gateway** to achieve **ONE-click deployment** for Line.

## 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.