

Hugo ChunHo Lin

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PROFESSIONAL EXPERIENCE

- PEGATRON Corporation

📍 Taipei, Taiwan

Software Engineer Intern

Jul. 2023 - Aug. 2023

- Implementing **Prompt Engineering and LangChain** allows the **NVIDIA Ominerve visual robot** to function through **speech or text**, leading to an **83%** improvement in scenario test support across **6 to 11** scenarios.
- During the **Proof of Concept (POC)** phase, transform the trained model into a **Web Application** with a user interface using **Gradio**, the UI toolkit for the **FastAPI** framework. Finally demonstrated at the **2024 Nvidia GTC**.

- eCloudvalley Digital Technology

📍 New Taipei, Taiwan

Cloud Engineer Intern

Mar. 2024 - present

- Build a **backend** server using **Python FastAPI**, integrating **Redis and DynamoDB**, and containerize it with **Docker** for deployment on **AWS EC2**.
- Using **Azure PromptFlow, LangChain** to mimic Technical Account Manager (TAM) tasks. Leveraging **Task-Oriented Driven LLM** to automate ticket creation in the system, aiming for an **80%** accuracy rate.

- 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**).
- **Develop** 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 Design

🔗 [uml-editor](#) | 📄 [Docs](#)

- Using the **Model-View-Controller (MVC)** architecture, implement 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](#)

- Using **Go**, implement **Web Sockets** for real-time multi-user chatrooms based on **TCP** protocol. Incorporate **multithreading and non-blocking sockets**, and utilize **React** for frontend interface with integrated socket API.

- Serverless GO Line Bot deployment with AWS SAM

Jan. 2024

DevOps, Go, Gin, AWS SAM, AWS Lambda, API Gateway

🔗 [go-linebot-aws-sam-cli](#)

- Deploy a **GO Line Bot to AWS Lambda** using **AWS SAM CLI** and directly link 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 to design a **Carbon Footprint Calculation Platform** for concurrent **100+** users. Identify recyclables with **95%** accuracy from **6000+** images and integrate a user feedback mechanism for sustainable model training.

- 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.