

Hugo ChunHo Lin

☎ +886-909-001068 | ✉ hugo970217@gmail.com | 🌐 Portfolio | 🎮 1chooo | 📄 Hugo ChunHo Lin

EDUCATION

- National Central University

Sep. 2020 - present

Atmospheric Science, Computer Science & Information Engineering

📍 Taoyuan, Taiwan

- **Relevant Courses:** The Attack and Defense of Computers (PhD), Software Engineering (PhD), Object-Oriented Analysis and Design (PhD), Principles of Programming Languages (A), Computer Network (A), Assembly Language and System Programming (A). Algorithmics, Data Structures,
- **TA:** Linux and Edge Computing, Programming Python, Weather and Artificial Intelligence.

TECHNICAL SKILLS

- **Programming Languages:** Python, Go, C/C++, Java, TypeScript, JavaScripts.
- **Libraries/Frameworks:** React, Boto, Langchain, Keras, Tensorflow, Scikit-learn, Numpy, Pandas, etc.
- **Machine Learning/Deep Learning:** Classification(Random Forest, KNN, SVM), CNN
- **DevOps:** AWS, Git, Docker, Bash, Linux, GitHub Action, GitLab.

PROFESSIONAL EXPERIENCE

- Cloud Developer Intern, eCloudvalley Digital Technology

Mar. 2024 - present

- Learn to utilize **hybrid cloud** technology to integrate deployment environments of **AWS and Azure**.
- Learning to design **AWS service architectures**, considering operational costs, and incorporating feedback into system design in a timely manner, with the goal of achieving proficiency aligned with the **AWS SAA** certification.

- Cloud Ambassador Technical Support, Amazon Web Services

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 titled "**AWS 101 LINE Bot**" aimed at seamlessly integrating with **AWS 101**. This project will utilize Python Line-bot-sdk, Flask, S3, AWS Lambda, and API Gateway.

- Software Engineer Intern, Pegatron Corporation

Jul. 2023 - Aug. 2023

Smart Robot, Smart World: Prompt-based Learning for manipulating with the Visual-World Robot.

- 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.

SELECTED PROJECTS

- SIMPLE AI: Multi-User Machine Learning Education Platform

Aug. 2023 - present

Fullstack Developer, FastAPI, Gradio, Docker

🔗 SIMPLE AI | 📄 Docs

- Train models directly on the web with visualization capabilities through the **Gradio and FastAPI**. Access historical records and data pre-processing parameters for effortless machine learning with **ZERO coding**.

- 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.

- 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 **multi-threading** and **non-blocking sockets**, and utilize **React** for frontend interface with integrated socket API.

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 members** to design the system with feedback response times of less than **3 seconds**, ensuring users receive recognition information promptly, and accommodate up to **100+ concurrent users** on launch day.
- Identify **PET bottles, aluminum foil packaging, and paper utensils** with an accuracy of **95%** using a dataset of **6000+** images, also create a user image recycling feedback mechanism to sustainably contribute to **model training**, integrated into a **carbon footprint calculation platform**.

- NCUFresh: Provide freshmen a preview of diverse university life!

Dec. 2021 - Jul. 2022

Website UI/UX developer, Vue.js, UI/UX, Figma

🔗 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.