

# Hugo ChunHo Lin

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## 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.

## PROFESSIONAL EXPERIENCE

### - Cloud Ambassador Technical Support, Amazon Web Services | 📍 Taipei, Taiwan

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**. This initiative led to contacting **LINE Company** and securing the opportunity to organize a visit to the company.
- **Technical Support** within the **Marketing Program** enhances the technical understanding of marketing team members. This involves a detailed **35+** **page** research study accompanied by a comprehensive presentation.

### - Software Engineer Intern, Pegatron Corporation | 📍 Taipei, Taiwan

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.

## 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.

## SELECTED PROJECTS

### - SIMPLE AI: Multi-User Machine Learning Education Platform

Aug. 2023 - present

Fullstack Developer, FastAPI, Gradio, Docker

📱 SIMPLE AI | 📄 Docs

- Pioneering a **no-code, multi-user** machine learning teaching platform.
- Applied in **two courses** as a TA: Programming Python and Weather and Artificial Intelligence.

### - AnonChat: Online Anonymous Multi-User Message Board

Oct. 2023 - Dec. 2023

Fullstack Developer, Go, Socket, TCP, React, Typescripts

📱 AnonChat | 📄 Docs

- Training Model with Amazon Recognition and storing training data to AWS S3.
- Integrating with Line BOT using **Python Line Bot SDK and Flask**.
- Create an engaging storyline or narrative that enhances user interaction and exploration of the Central Campus.

### - Chatter Judge: Online Judge with the virtual TA

Apr. 2022 - Jun. 2022

Fullstack Developer, FastAPI, Gradio, Docker

📱 Chatter Judge | 📄 Docs

- Training Model with Amazon Recognition and storing training data to AWS S3.
- Integrating with Line BOT using **Python Line Bot SDK and Flask**.
- Create an engaging storyline or narrative that enhances user interaction and exploration of the Central Campus.

## TECHNICAL SKILLS

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