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, Principles of Programming Languages, Computer Network, Algorithmics, Data Structures, Assembly Language and System Programming, Degital Design.
  - **TA:** Linux and Edge Computing, Programmiing Python, Weather and Artificial Intelligence.

PROFESSIONAL EXPERIENCE

- **Cloud Ambassador Technical Support, Amazon Web Services** | 📍 **Taipei, Taiwan** *Aug. 2023 - present*
  - 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 ○ Evolving Beasts
  - 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 | 🖥️ SIMPLE AI
  - Pioneering a **no-code, multi-user** machine learning teaching platform.
  - Applied in **two courses** as a TA: Programming Python and Weather and Articial Intelligence.

- **React vCard Portfolio** *Apr. 2022 - Jun. 2022*
Frontend Developer, React, Typescripts ○ BearBear You
  - 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.

- **ChatterJudge: Online Judge with the virtual TA** *Apr. 2022 - Jun. 2022*
Fullstack Developer, FastAPI, Gradio, Docker ○ BearBear You
  - 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, JavaScripts, LaTex.
- **Libraries/Frameworks**: Langchain, Keras, Tensorflow, Scikit-learn, ReactJS, Numpy, Pandas, etc.
- **Machine Learning/Deep Learning**: Classification(Random Forest, KNN, SVM), CNN
- **DevOps**: AWS, Git, Docker, Bash, Linux, GitHub Action, GitLab, etc.