

# Hsin-Ling (Justin) Hsu

Software Engineer | Taipei, Taiwan | [justin.hsu.1019@gmail.com](mailto:justin.hsu.1019@gmail.com)   

1. Total Development Experience: 6 years (3 years of foundational learning, 1 year in algorithm and information security (CTF) competitions, and 2 years in software project development).
2. Experienced in exploring deep learning algorithms (gradient descent, backpropagation, etc.), model training and deployment, generative AI, and open-source Large Language Model domains.
3. Familiar languages and frameworks (Backend: Python, PHP, Java & Frontend: HTML, CSS, jQuery, React). Proficient in database management, planning, and development, especially proficient in relational databases using SQL and vector databases.

## Work Experience

### Software Engineer • ChainSea Information Integration Co., Ltd.

July 2023 - Present | Taipei, Taiwan

- 1. Main researchers and developers of Meta LLaMA-2, with research and development including reasoning acceleration, distributed computing, dataset creation, pre-training, and supervised fine-tuning.
- 2. Developed the voice analysis part of customer service recordings using Whisper and ChatGPT, including the frontend (HTML, CSS, jQuery) and backend (Python+Flask).
- 3. Multiple developments of backend integration (Python+Flask) with large language models (LLaMA or GPT) and vector databases (Weaviate).
- 4. Led the GPT team's morning meetings, distributing tasks to team members according to senior management's requirements.
- 5. Demonstrated excellent problem-solving and communication skills, able to help new team members integrate into the group quickly.

### Backend Engineer & Course Lecturer • Google Developer Student Clubs (National Chengchi University)

August 2023 - Present | Taipei, Taiwan

- 1. Participated in Google's "Train-the-trainer: Google Cloud Study Jam: GenAI Edition" training. Subsequently, led the Generative AI course as an instructor for the university's internal event.
- 2. In the "GDSC NCCU Member Website" project, my main responsibilities included developing the database and API, and working on backend development with Python + Flask. During this process, I integrated OAuth and JWT, and chose Firebase Cloud Firestore (NoSQL) for our data storage needs.
- 3. Served as a club course instructor (teaching "Generative AI" and "Database").
- 4. Collaborated with the event and marketing teams to plan club course content and approve technical content in club documents and posts.

## Project Experience

### Taiwan Power

- Intelligent Robot Optimization Project

### L'Oréal

- Customer Service Quality Audit System  
- Product Recommendation System

### Wemo

- Customer Service Knowledge Base Q&A System

### ChainSea

- AI Trainer System  
- LLaMA Training and Deployment Research

## Education

National Chengchi University September 2023 - Present | Taipei, Taiwan

Bachelor's Degree • Department of Mathematical Sciences

## Personal Portfolio \*Only displaying Top 2, for other works please check on [GitHub](#)\*

### Course Planning Assistant: ChatGPT-LineBot

Language: Python • 2023



Description: A Flask server with LineBot API integration, leveraging GPT for structured course planning assistance. It embodies workflow bot concepts, delivering customized suggestions and logging interactions for optimal user engagement.

### Weaviate - Search Engine

Language: Python, PHP • 2023



Description: Unlock financial oversight insights with our RAG system, combining Weaviate vector database and GPT-4-Turbo to query Taiwan's Financial Supervisory Commission penalties by keywords, like 'YongFeng Bank', delivering the top relevant case results.