

Hsin-Ling (Justin) Hsu

Software Engineer | Taipei, Taiwan | 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 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 Tech Lead, 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.

Backend Engineer • NCCUPass

March 2024 - Present | Taipei, Taiwan

- 1. Led a team of two AI backend developers, focusing on the campus AI assistant, AllPass, which enhances the convenience of campus life and digital services through chatbot conversations.
- 2. Responsible for the system architecture design, development management, feature ideation, PoC to product delivery of AllPass.
- 3. The technology stack includes C# .NET, Golang, Python, LangChain, GitLab, Docker, etc., with a focus on Advanced RAG architecture and vector database applications.
- 4. Employed Agile development methodologies (Scrum), implementing CI/CD and DevOps processes to improve development efficiency and product quality.

Education

National Chengchi University

September 2023 - Present | Taipei, Taiwan

Bachelor's Degree • Department of Mathematical Sciences

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