

# I-Ting (Benjamin) Chu

📍 Hsinchu, Taiwan ✉ itingchu1005@gmail.com ☎ +886-970-573-793 in I-TING CHU 🌐 ChuEating1005

## Education

### National Yang Ming Chiao Tung University, Hsinchu, Taiwan

Jul. 2022 – Present

- GPA: 4.22/4.3 (Overall), 4.26/4.3 (Major); Ranking: 14/192; (Transcript Link [🔗](#))
- Major in Computer Science
- Cross-Disciplinary Specialty: Design and Innovative Technology Program
- Core Courses: *Computer Organization, Intro. to Operating System, Image Processing, Intro. to AI, Intro. to Database Systems, Reinforcement Learning, Computer Vision for UAV Autopilot, Data Visualization and Visual Analytics, Intro. to Computer Graphics, Intro. to Network Programming, System Administration,*

## Experience

### Comp Photo Lab

Aug. 2024 - Present

Research Assistant

- Advisor: Prof. Yu-Lun Liu
- Research Topic: Color Transform for Multiple Exposure Correction

## Projects

### YStory House

Link [🔗](#)

- Developed a cross-generational social platform using Django backend and LINE Frontend Framework (LIFF)
- Integrated multiple APIs including ChatGPT, DALL-E, LINE Messaging API, and Speech-to-Text Model
- Implemented containerized deployment using Docker and managed MySQL database
- Tool Used: Python, Django, Docker, MySQL, LINE API, Firebase

### Homework Helper

Link [🔗](#)

- Developed a line bot homework assistant that allows users to upload PDF files and ask questions, leveraging GPT-3.5-turbo for responses.
- Implemented a Retrieval-Augmented Generation (RAG) architecture to handle interactions with large PDF files.
- Integrated scheduling features with Google Calendar and Notion, enhancing task management capabilities.
- Tools Used: Python, LangChain, Pinecone, Redis, Linebot, Flask

### Band System

Link [🔗](#)

- Built a platform for musicians to find band members with filters and messaging features.
- Created RESTful API backend with Flask.
- Tool Used: React, Flask, PostgreSQL

## Skills

**Languages:** C++, C, Python, JavaScript, SQL, Shell Script

**Framework:** React, Vue, Flask, Django, Tailwind, Bootstrap, LangChain

**Techniques:** CV, Image Processing, System Administration, Socket Programming, Docker, Git, Linux, FreeBSD

## Awards

**Academic Achievements Awards (Top 5%):** Fall 2022 (GPA 4.27), Spring 2023 (GPA 4.3)

**Foundation Academic Course Award (Top 5%):** Linear Algebra

## Extracurricular Activities

**President** — NYCU Computer Science Student Association 2024

Jun. 2024 - Present

**Co-leader of Development Group** — 2024 Meichu Hackathon

Feb. 2024 - Present