I-Ting (Benjamin) Chu

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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
- ○ Major in Computer Science
- ○ Cross-Disciplinary Specialty: Design and Innovative Technology Program
- ○ Core Courses: *Computer Organization, Intro. to Operating System,*
  Image Processing, Introduction to AI, Reinforcement Learning,
  Computer Vision for UAV Autopilot

Experience

- ○ **Comp Photo Lab** *Aug. 2024 - Present*
  Research Assistant
  - ○ Advisor: Prof. Yu-Lun Liu
  - ○ Research Topic: Undecided

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, Java, JavaScript, SQL, Shell Script
Framework: React, Vue, Flask, Tailwind, Boostrap
Techniques System Administration, Socket Programming, CCNA, 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*