

I-Ting (Benjamin) Chu

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

Education

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- National Yang Ming Chiao Tung University, Hsinchu, Taiwan** *Jul. 2022 – Present*
- GPA: 4.20/4.3; Ranking: 18/193 (9.33%); (Transcript Link [🔗](#))
 - Major in Computer Science; Cross-Disciplinary Specialty: Design and Innovative Technology Program
 - Core Courses: Link [🔗](#)

Experience

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- **Logitech** *Mar. 2025 - Present*
Product Quality Assurance Intern
Use YOLOv8 and other AI techniques to automatically validate keyboard layouts then generate a report, ensuring that each key's position and font comply with the standard.
 - **Comp Photo Lab** *Aug. 2024 - Present*
Research Assistant
Advisor: Prof. Yu-Lun Liu. Research Topic: 3D Diffusion-based Generation & Inpainting.
 - **Office of Research and Development, NYCU** *Oct. 2024 - Present*
Part-time Student Assistant
Maintained backend data for the NYCU Scholars Website by retrieving faculty research information from multiple internal databases. Transformed the data into standardized XML format to support automated website updates.

Projects

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- YStory House - 2024 LINE FRESH** *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
 - Tool Used: Python, Django, Docker, MySQL, LINE API, Firebase
- Exposure Correction - Final Project for Image Processing** *Link [🔗](#)*
- Restore over-exposed and under-exposed images using modified Zero-DCE framework
 - Designed a multi-scale pipeline with Laplacian pyramid decomposition and progressive enhancement techniques
 - Tools Used: Python, PyTorch, CUDA, OpenCV
- Homework Helper - Final Project for Introduction to AI** *Link [🔗](#)*
- Developed a line bot 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

Skills

Languages: C++, C, Python, JavaScript, SQL, Shell Script
Framework: React, Vue, Flask, Django, Tailwind, LangChain
Techniques: 3D & 2D Computer Vision, Image Processing, Network & System Administration, Socket Programming
Tools: PyTorch, CUDA, OpenCV, YOLO, Docker, Git, Linux, FreeBSD, AWS

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 - Nov. 2024*