I-Ting (Benjamin) Chu

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Education

National Yang Ming Chiao Tung University, Hsinchu, Taiwan *Jul. 2022 – Present*
- GPA: 4.19/4.3; Ranking: 19/193 (9.84%); (Transcript Link ☒)
- Major in Computer Science; Cross-Disciplinary Specialty: Design and Innovative Technology Program
- Core Courses: Link ☒

Experience

- **Microsoft** *Sep. 2025 - Present*
  Research Development Intern at Azure Map Autosuggest
  Assisted in developing the backend API for Azure Map autosuggest, enabling integration into products of various enterprise clients.
- **Quid** *Jul. 2025 - Sep. 2025*
  Connect Solution Engineer Intern
  Developed highly reusable workflow templates using Argo, integrated internal databases and APIs, and built comprehensive analytics tools for use by internal data analysts and clients.
- **Logitech** *Mar. 2025 - Jun. 2025*
  Product Quality Assurance Intern
  Apply YOLOv8 combined with image processing techniques, to automate the validation of keyboard layouts, ensuring accurate positioning and font compliance in accordance with design standards.
- **Comp Photo Lab** *Aug. 2024 - Present*
  Research Assistant
  Advisor: Prof. Yu-Lun Liu. Research Topic: 3D Reference-based Editing.

Projects

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, 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, 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 - Jun. 2025*

Co-leader of Development Group — 2024 Meichu Hackathon *Feb. 2024 - Nov. 2024*