Yang Cheng Yao

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Summary

Passionate and self-driven computer science student with hands-on experience in automation, Linux server hosting, and generative AI prototyping and deployment in local environments. Familiar with LLM inference (e.g., Mistral) in local environments. Proficient in C/C++, Python, SQL, and Docker, with cross-platform development experience. Currently expanding knowledge in cloud platforms such as AWS and GCP. Eager to contribute to cutting-edge AI systems in fast-paced, innovation-driven teams.

Education

National Taiwan Normal University, BS in Computer Science and Information Engineering 2021 – 2026

- **Coursework:** Software Engineering, Computer Programming, Cyber-physical System Project

Myanmar Institute of Information Technology, Electronics and Communication Engineering 2017 – 2020

- **Coursework:** Computer Programming, Electronic Circuit
- **Remarks:** Temporarily suspend studies due to Military Coup in Myanmar

Experience

Tech Support and Software Developer (Remote), The China Box 2021 – 2024

- Individually developed VBA program with Selenium Basic to fetch website data and automate report generation
- Reduced the time to generate user reports by 80% (Data preparation -> Report Layout -> Result showcasing)
- Also provided technical consultation, website monitoring, and frontend design input

Projects

Smart Transports Dashboard github.com/smart-dashboard

- Developed a real-time bus ETA dashboard using TDX API with OAuth2 for secure token-based authentication
- Empowered users to make data-driven decisions through a live-updating interface displaying real-time transit information
- Tools Used: C/C++, libcurl, cJSON, OAuth2, TDX API

Home Server Hosting - Self Educational Projects

- Using Tailscale to create a Virtual Private Network for security and accessibility
- Experimented with hosting open-source projects and LLMs inference (Quantized Mistral Model via llama.cpp) on the Oracle cloud.
- Tools Used: Linux, Tailscale, CLI, Llama.cpp

Auto Moodle Login github.com/moodle-login

- Developed a Chrome extension that auto login university moodle account without clicking anything
- Solved repetitive login friction for students by implementing a hands-free automated login system
- Tools Used: Chrome extension, JavaScript, HTML/CSS

Cyber-physical System

- Developed a system model that enables integration of physical circuit to simulated circuit
- Integrated real-time hardware circuits with simulated systems to test and validate embedded control logic for Loading Effect Observation
- Tools Used: Matlab, Simulink, Hardware Circuit

Technologies

Languages: C, C++, Python, SQL, JavaScript, Html / CSS, Shell

Technologies: Github, Docker, Linux, Hugging Face, llama.cpp, Figma, CLI

Certification: AWS AI Practitioner Foundational Certified