Hua Chen Shih

Taipei, Taiwan. | shihwatson@gmail.com | watsonshih.github.io | LinkedIn Profile

Highly motivated graduate student with a strong background in GenAI, ML, and DevOps principles. Skilled Researcher with experience in sustainable manufacturing.
Proven experience in developing AI applications, including LLMs and AI Agents, with exposure to deployment automation relevant to CI/CD. Expertise in UX/UI, prompt engineering, cloud infrastructure deployment. NVIDIA CUDA C&C++ and GCP Vertex AI certified.

Experience

Platform Innovation & Operations Division Intern

Industrial Technology Research Institute (ITRI)
Jul 2024 - Aug 2024

- Developed AI-powered news summarization for ITRI's IEK website using ML and LLM models
- Deployed Llama 3 Application on H100 servers
- Developed fronted, backend (Flask) and fine-tuned AI content for readability

Freelance Web Development Engineer

National Sun Yat-sen University
Jan 2021 - Dec 2024

- Designed and managed websites for multiple departments, enhancing UX/UI and SEO
- Developed an online course selection guide with 3,500+ users in two weeks
- Integrated GA4 and data visualization tools for content optimization

Education

National Taiwan University of Science and Technology

M.S. in Intelligent Manufacturing Technology
2024 - Present

- Researcher at NTU's Intelligent Sensing & Digital Manufacturing Laboratory

National Sun Yat-sen University

B.I.S. in Interdisciplinary Studies
2020 - 2024

- Researcher at Sustainable Innovative Lab

Skills

Programming
Python, C++, HTML, CSS, JS

AI / ML
GenAI, Data Mining, AI Agents, RAG, Prompt Engineering

DevOps / MLOps
CI/CD, Docker, GitHub

Certifications
NVIDIA CUDA C&C++, GCP Vertex AI, Microsoft AI Fundamentals

Language

Mandarin

English