Wei-Cheng Chen

Computer Science Student · Software Developer

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Education

Master, Computer Science and Engineering — NYCU — 📅 2023 - present

Bachelor, Computer Science — NYCU — 📅 2019 - 2023

Experience

Intel — Platform FW and AI Application Engineer Intern — 📅 Jul 2024 - present

LLM · RAG · Server BMC · Firmware Optimization · CI/CD · Automation Engineering

- Automated and enhanced large language model with RAG deployments on enterprise servers.
- Refined server BMC firmware, focusing on efficiency and system stability.

ASML — Software Engineer Intern — 📅 Oct 2023 - May 2024

Python · PowerBI · Selenium · Automation Engineering · Machine Learning

- Automated data-collection tool designing for saving 884 labor hours/year
- Machine learning-based DUV issue classifier developing with Tensorflow, reducing time costs by 60%

Realtek — Software Engineer Intern (by project) — 📅 Mar 2023 - Jun 2023

Python · MSSQL · Docker · Git · CI/CD · Llama · Hugging Face · Elasticsearch

- Conducted research in Python-based Natural Language Processing solutions.
- Dockerized and optimized original programs and assisted in initiating CI/CD infra development.

Intel — Software Engineer Intern — 📅 Jul 2022 - Sep 2023

Python · PowerShell · Git · Automation Engineering · Firmware Testing

- Create a streamlined firmware stress-testing tool that cuts time usage by 70%.
- Git using Github and designed firmware update tool for security updates.

Award

- 2023 NYCU Outstanding Teaching Assistant Award
- 2022 CTCI Foundation Science and Technology Scholarship Award
- **1th / 15** in AI Pun location Predict Contest in NYCU NLP Introduction Lecture
- **5th / 159** in AI Cuisine Predict Contest in NYCU Machine Learning Lecture
- **1st prize** in 2021 Meichu Hackathon
- **Special prize** in 2021 LINE FRESH (Top 6 in 200 teams)

Featured Project

AIoT Texas hold'em Smart Table

C/C++ · Python · YOLOv5 · Flask · Docker · Git

Leveraged the power of YOLOv5 for real-time card detection and Monte Carlo algorithms for win rate calculations. Showcased live two-player games on a Flask-built GUI, and provided a comprehensive and educational platform for novice Texas Hold'em players. More details at 🔗 github.com/jotpalch

✨ see all of my projects on my portfolio: 🔗 jotpac.com/projects

Extracurricular Experience

Students' Association of NYCU CS — Director & Server Manager

Led 48 members in the association and organized extracurricular activities for students in the department. These experiences have honed my skills in teamwork, multitasking, and problem-solving.

Skills & Tools

Domain Expertise

Software Development · LLM + RAG · Machine Learning · Automation Engineering · Data Science

Language & Framework

C/C++ · Python · Tensorflow · PyTorch · Flask · Selenium · Shell Script · Git · Github · Gitlab

Docker · Hugging Face · PowerBI · AWS EC2 · Azure · GCP · JavaScript · SQL