Ting-Wei Chou

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 Ting-Wei Chou

EDUCATION

- **National Yang Ming Chiao Tung University** *2023 - 2027 (Expected)*
  Bachelor of Science in Computer Science GPA: 4.26, Ranking: 3/196

EXPERIENCE

- **NYCU CS Information Technology Center** *July 2024 - Present*
  Net, HPC, PC Team Member
  – Administered and maintained multi-floor network infrastructure with Cisco, Juniper, and EdgeCore switches.
  – Developed CCNA course materials, covering VLAN, STP, and hands-on projects using Cisco Packet Tracer.
  – Managed and optimized HPC cluster using Slurm for GPU workload scheduling and resource allocation.
  – Maintained and deployed computer lab infrastructure with Proxmox VE and VyOS for network management.

- **NYCU Computational Photography Lab** *Feburary 2025 - Present*
  Research Assistant
  – Advisor: Prof. Yu-Lun Liu
  – Research Topic: In progress

- **NYCU Computer Architecture System Lab** *July 2024 - Present*
  Research Assistant
  – Advisor: Prof. Tsung-Tai Yeh
  – Research Topic: Designing a Bit-Serial RISC-V DNN Accelerator for Ultra-Low-Bit LLM Inference

PROJECTS

- **TA System**
  A system that enables TAs to help students review their homework logs

  – Developed a full-stack web application using Vue for the frontend and FastAPI for the backend.
  – Integrated NYCU OAuth and CSIT OAuth for authentication using OAuth 2.0 with the Authorization Code flow.

- **Pain Interaction System**
  A platform for managing and recording pain data effectively

  – Developed a full-stack web application using React for the frontend and NestJS for the backend.
  – Built CI/CD pipelines to automate deployment from GitHub repositories to Docker Hub images.

- **GDSC Frontend Training Program**
  Comprehensive frontend development educational platform

  – Created and organized the frontend curriculum covering HTML, CSS, JavaScript, and React.
  – Designed and built exercises to boost student engagement and learning results.

ACHIEVEMENTS

- **Academic Achievements Awards** *Spring 2024*
- **Foundation Academic Course Award** Digital Circuit Design, Computer Organization *Spring 2024*
- **Bronze Award** The 2023 ICPC Asia Taoyuan Regional Programming Contest *October 2023*

EXTRACURRICULAR ACTIVITIES

- **Teaching Assistant** CCNA, Computer Organization *Feburary 2025 - Present*
- **Development Team Leader** Meichu Hackathon *November 2024 - Present*
- **Frontend Training Program Mentor** NYCU Google Developer Groups *September 2024 - Present*

TECHNICAL SKILLS

- **Programming Languages**
  C, C++, Java, JavaScript, PHP, Python, Shell Scripting, SQL, Verilog

- **Frameworks**
  Bootstrap, FastAPI, Flask, Next.js, Tailwind CSS, Vue

- **Tools**
  Docker, Git, Hugo, LaTeX, Makefile, Markdown, Nginx, React