

Ting-Wei Chou

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gainsborouo
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.

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 February 2025 - Present
- Development Team Leader** Meichu Hackathon November 2024 - Present
- Frontend Training Program Mentor** NYCU Google Developer Groups September 2024 - Present
- Development Team Member** NYCU CS Student Association June 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, React