

# 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: 4.25, Ranking: 2/192

## 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.
  - Managed and optimized HPC cluster using Slurm for GPU workload scheduling and resource allocation.
  - Maintained and deployed computer lab infrastructure with Proxmox VE (PVE) and VyOS for network management.
  - Developed CCNA course materials, covering VLAN, STP, and hands-on projects using Cisco Packet Tracer.

## 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*