

Ting-Wei Chou

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gainsborouo
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EDUCATION

- National Yang Ming Chiao Tung University** *2023 - 2027 (Expected)*
Bachelor of Science in Computer Science GPA: 4.25, Ranking: 6/194

EXPERIENCE

- NYCU CS Information Technology Center** *Jul 2024 - Present*
Net, Mail, PC, HPC Team Member
 - Configured the Computer Science department network across multiple floors using Cisco and Juniper switches.
 - Maintained and improved the department mail system with Postfix and Dovecot, supporting 10K+ accounts.
 - Deployed and operated a lab virtualization environment with Proxmox VE and VyOS for system and network services.
 - Administered the GPU compute cluster with Slurm for research workloads and resource scheduling.
- NYCU Center for Institutional Research and Data Analytics** *Oct 2025 - Present*
Software Developer
 - Maintained and improved the NYCU Chatbot (LINE bot) backend to support campus administrative services.
 - Designed and implemented the Sustainable Development Goals Search platform for campus-wide information access.
- NYCU Computer Architecture System Lab** *Jul 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

- NYCU CS Past Exam Platform** *Jun 2025 - Present*
A platform providing archived NYCU Computer Science exams and solutions for efficient exam preparation
 - Deployed and operated the platform on a production VPS, serving 2,000+ users with over 14,000 exam downloads.
 - Re-architected and rebuilt the legacy exam archive into a scalable full-stack system using Vue, FastAPI, and MinIO.
 - Implemented CI/CD pipelines with linting, unit, and end-to-end tests, enabling automated builds and deployments.
- 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

- NSTC University Student Research Project** Recipient of National Research Grant *Jul 2025 - Feb 2026*
- Department Research Project Competitions Award** Honorable Mention (Top 10%) *Jul 2025*
- Academic Achievements Awards** (Ranked 1st in class) *Spring 2024*
- Foundation Academic Course Award** Digital Circuits & Computer Organization (Top 5%) *Spring 2024*
- ICPC Asia Taoyuan Regional Programming Contest** Bronze Award *Oct 2023*

EXTRACURRICULAR ACTIVITIES

- Teaching Assistant** CCNA, NASA, Computer Organization *Feb 2025 - Present*
- Development Team Leader** Meichu Hackathon *Nov 2024 - Oct 2025*
- Frontend Training Program Mentor** NYCU Google Developer Groups *Sep 2024 - Jun 2025*

TECHNICAL SKILLS

- Languages** C, C++, Python, JavaScript, Java, SQL, Verilog, Bash
- Web** Vue.js, Next.js, Tailwind CSS, FastAPI, Flask
- Databases & Storage** PostgreSQL, MySQL, Redis, MinIO (S3)
- Systems & DevOps** Linux, Docker, Nginx, Proxmox VE, Slurm, Postfix, Dovecot, PowerDNS
- Tools** Git, Makefile, LaTeX, Markdown