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: 4.25, Ranking: 6/194

EXPERIENCE

- **NYCU CS Information Technology Center** *Jul 2024 - Present*
  Net, Mail, PC, HPC Team Member
  - Administered and maintained multi-floor network infrastructure with Cisco, Juniper, and EdgeCore switches.
  - Maintained and optimized the department mail servers using Postfix and Dovecot, serving 10K+ accounts.
  - Maintained and deployed computer lab infrastructure with Proxmox VE and VyOS for network management.
  - Managed and optimized HPC cluster using Slurm for GPU workload scheduling and resource allocation.

- **NYCU Center for Institutional Research and Data Analytics** *Oct 2025 - Present*
  Software Developer
  - Maintained and enhanced the NYCU Chatbot (LINE bot) backend.
  - Designed and implemented the Sustainable Development Goals (SDGs) Search web platform.

- **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 Exams** *Jun 2025 - Present*
  A platform providing archived NYCU Computer Science exams and solutions for efficient exam preparation
  - Rebuilt the previous exam archive system using Vue, FastAPI, and MinIO, modernizing the platform architecture.
  - Deployed the platform to a production VPS environment, serving 1.7K+ users with 6K+ downloads.
  - Implemented CI/CD pipelines with linting, unit & e2e tests, automated builds and deployment for consistent quality.

- **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% of teams) *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