

Song Lin Chen

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Education

National Central University

Sep 2023 – Present

M.S. in Network Learning Technology

- GPA: 3.9/4.3
- Skilled in Backend development (Python Django, Flask), Cloud systems (AWS, GCP, MQTT, ESP32), and UI/UX Frontend design (React, Figma, Adobe XD).
- Participated in 4 competitions—AWS Hackathon, two editions of Google Solution Challenge, and Taipei CityPass Hackathon—to deliver real-world technical solutions.

National University of Kaohsiung

Sep 2018 – 2022

B.S. in Computer Science Information

- GPA: 3.7/4.3
- 4 competitions, 5 awards: Demonstrated consistent excellence in technology and innovation challenges.
- Achieved A+ level in Internet Of Things and Web Design course.

Experience

Network Engineer

Sep 2024 – Jun 2025

Media and Education Qualitative Analysis Lab, National Central University

- Managed cybersecurity and network infrastructure for 10+ servers and devices.

Organizer and Tech. Team

Sep 2023 – Jun 2025

Google Developer Groups on Campus National Central University

- Served as technical instructor for 5+ hands-on workshops, guiding students in git workshop, Google cloud projects, LLM comparator with Vertex AI Workshop, and IoT workshop.

IoT & Maker STEM Education Instructor

Jan 2024 – Jun 2025

Teaching and Learning Center, National Central University

- Delivered over 10+ lessons on Arduino, computational thinking, Python, and IoT. Guided students through projects like industrial data monitoring and smart home control.

Projects with Awards

Air Pocket APP 🏆 *Industry Award and Honorable Mention, Graduation Project Competition*

2021

- Built an IoT solution for real-time air quality monitoring and visualization.
- Developed backend API with Python Flask, using the MQTT protocol for lightweight data communication.

Smart Watch *Honorable Mention, Intelligent Application Competition*

2022

- Engineered a wearable IoT device for real-time physiological monitoring, capturing metrics such as heart rate and body temperature.
- Implemented Python Django backend and integrated a Line Bot to deliver instant health alert notifications.

Solar Smart Blinds *Top 20, Taiwan Energy Technology Innovation Competition*

2020

- Developed a solar-optimized smart window blind system that maximizes natural lighting efficiency.
- Developed control system with Arduino NodeMCU, integrating brightness sensor and motor modules for real-time solar tracking and automated adjustment.

GoGoShop Ordering System 🏆 *Ranked 1st, Website Design class projects*

2020

- Developed a lightweight online food ordering platform using PHP and MySQL.
- Designed a responsive RWD front-end, supporting product management and order handling.