Jun-Ting Lin

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Education

National Taiwan University *Sep 2024 to Sep 2026*
MS in Computer Science

- Multimedia Information Retrieval Lab (MIR Lab ↗), under the guidance of Prof. Jyh-Shing Roger Jang.
- **Research:** AI applications in FinTech, including portfolio optimization, quantitative trading, and pairs trading.
- **Industry cooperation:** E.SUN Financial Holding ↗

National Central University *Sep 2020 to Jun 2024*
BA in Management Information System

- **Academic Achievements:** Cumulative GPA: 97.3/100, Class Ranking: 1/55 (Top 1.82%), Department Ranking: 1/107 (Top 0.93%)
- **Coursework:** Assembly Language(CSIE), Operating System(CSIE), Computer Network(CSIE), Data Structure(MIS), Algorithm(MIS), Web Programming(MIS), Database Management(MIS), System Analysis and Design(MIS), Artificial Intelligence and Machine Learning(MIS)
- **Awards:** Dr. Shun-yi Chu Zyxel Scholarship , The Phi Tau Phi Scholastic Honor Society of the Republic of China ↗
- **Societies:** Google Developer Student Clubs (GDSC) ↗, Department Association

Experience

Cloud Engineer Intern *Jul 2024 to Aug 2024*
Taipei Fubon Commercial Bank, Digital Technology R&D Department

- Participated in training sessions and meetings on cloud-native platforms, including OpenShift and Anthos, and delivered presentations on Kubernetes (K8s) core components.
- Set up environments within OpenShift on an on-premises private cloud cluster to support development teams.
- RACI model annotation in reports submitted to the Financial Supervisory Commission (FSC).
- Capstone Project: Successfully deployed a chatbot to the cloud, responsible for cloud deployment using AWS L7 Load Balancer to ensure high availability and scalability.

Department IT Assistant *Sep 2022 to Jun 2024*
GEO, NCU

- Built and managed websites using WordPress.
- Maintained network equipment and services, including DHCP, DNS, and Web servers.
- Developed a classroom reservation system integrated with the university's portal using single sign-on (SSO).

Projects

Stock Automatic Trading Robot for Taiwan Market *Apr 2024 to Jan 2025*

- GitHub Repository ↗
- This project uses FinLab's real-time data to design and backtest trading strategies. Results, including account performance and monthly returns, are compiled into HTML reports and delivered via LINE Notify.
- Tools: Python, FinLab, TA-Lib, Plotly, Flask

Taiwan Insider Monitor *Jan 2024 to Feb 2024*

- GitHub Repository ↗
- Automates insider trading data extraction from the Taiwan Stock Exchange, focusing on share increases and their market value. Results are saved monthly as Excel files.

- Tools: requests, BeautifulSoup, twstock

Automated Recognition
Dec 2024 to Jun 2025

- [GitHub Repository ↗](#)
- Collaboration: Ministry of Economic Affairs, Taiwan
- Processes and analyzes PDFs and images, including tax forms, certificates, and bid documents.
- Tools: Pillow, OpenCV, PyMuPDF, pytesseract, Google Cloud Vision, Qt5

MedBag Checker: A Mobile Application for Preventing Drug Interactions with Smart Medicine Box Development
Feb 2023 to Sep 2023

- [GitHub Repository Frontend ↗](#)
- Project Leader
- A smart app integrated with a medicine box to ensure drug safety by checking interactions using real-time web scraping and cached databases. Features include medication reminders, intuitive UI, and app-controlled compartments to prevent misuse.
- Tools: Android, Firebase, ChatGPT, Django, BeautifulSoup, Selenium, MySQL, Arduino
- Awards and Honors: Funded by National Science and Technology Council in 112, 2nd Place in 2023 Central MIS Project Competition, Finalist in Wanrun 2023 Innovation and Creativity Competition, Ministry of Education Innovation and Entrepreneurship Award

Classroom Reservation System
Jan 2023 to Feb 2023

- [GitHub Repository ↗](#)
- Collaboration: Graduate Institute of Applied Geology at National Central University
- A reservation system with SSO authentication for enrolled students, allowing single bookings and admin-only bulk scheduling.
- Tools: Spring Boot, FullCalendar, SSO, MariaDB

NCU Online Bookstore
Sep 2022 to Jan 2023

- [GitHub Repository ↗](#)
- A platform for NCU students to purchase textbooks categorized by departments (e.g., CS, Finance). Members can browse, search, view details, and add books to a shopping cart with options to modify or delete quantities. Admins have a simple interface for efficient management of members, books, and orders.
- Tools: Java Web, JSP, Spring-Security-Crypto, MySQL

Shopee Competitor Analysis Crawler
Sep 2021 to Dec 2021

- [GitHub Repository ↗](#)
- This tool helps new Shopee sellers analyze competitors, set optimal prices, estimate revenue, and decide store placement based on data insights.
- Tools: Python, Tkinter, Matplotlib, Pandas, Numpy

Fast Food Ordering System
Feb 2021 to Jun 2021

- [GitHub Repository ↗](#)
- Project Leader
- The system reads menus and combos from CSV files for easy updates. It generates detailed receipts for customers and logs all transactions with timestamps.
- Tools Java, Swing

Technologies

Languages: Python (primary), Java, Kotlin, PHP, SQL

Web Development: Spring, Spring Boot, Spring Security

Cloud & DevOps: AWS, Docker, Kubernetes, Git

ML & DL: PyTorch, TensorFlow, Scikit-learn, W&B

Certifications

AWS Certified Cloud Practition *Jul 2023*
Amazon Web Services

Java EE 7 Application Developer *Jul 2022*
Oracle

Java SE 8 Programmer OCP *Sep 2021*
Oracle

Java SE 8 Programmer OCA *Jul 2021*
Oracle