

林俊霆 Jun-Ting Lin

✉ support@junting.info

🌐 LinkedIn

🏠 Taipei, Taiwan

🐙 GitHub

🔗 Personal Website

☎ +886-966-777-026

Profile

MS student at **National Taiwan University** (GINM) with a broad background spanning **AI research**, **cloud & DevOps**, and **backend development**. Research focuses on deep reinforcement learning for portfolio optimization; industry experience includes building observability stacks at Trend Micro and cloud-native infrastructure at Taipei Fubon Bank. **AWS** and **Oracle Java** certified.

Education

National Taiwan University

Sep 2024 - Sep 2026

GINM / MS in Computer Science

- Multimedia Information Retrieval Lab, Prof. Jyh-Shing Roger Jang
- Research: AI applications in FinTech, including portfolio optimization, quantitative trading
- Industry cooperation: E.SUN Financial Holding

National Central University

Sep 2020 - Jun 2024

MIS / BA in Management Information System

- Academic Achievements: Cumulative GPA: 97.3/100
- Awards: Dr. Shun-yi Chu Zyxel Scholarship (朱順一合勤獎學金), The Phi Tau Phi Scholastic Honor Society of the Republic of China (斐陶斐榮譽會員)
- Societies: Google Developer Student Clubs (GDSC), Department Association

Professional Experience

Software Development Intern (DevOps/Observability Focus)

Jul 2025 - Aug 2025

Trend Micro Inc. / WSE Team

- **Objective:** Monitor 5XX errors encountered by users in microservice request flows and identify where they occur in the service chain
- **Content:** Built an observability stack with **Correlation ID**/Fingerprint tracing, **OpenSearch** log analysis, **Grafana** dashboards, and a **FastAPI** AI agent for automated log analysis
- **Outcome:** Delivered a working prototype of an observability platform; the team continued development post-internship, significantly reducing cross-service error troubleshooting time

Cloud Engineer Intern

Jul 2024 - Aug 2024

Taipei Fubon Commercial Bank, Digital Technology R&D Department

- **Objective:** Learn and apply cloud-native technologies (**OpenShift**, **Anthos**, **Kubernetes**) in an enterprise private-cloud environment
- **Content:** Delivered a presentation on core **Kubernetes** components; provisioned **OpenShift** development environments for engineering teams on an internal private cloud
- **Outcome:** Final project — deployed a chatbot to the cloud using **AWS** Layer 7 Load Balancer configuration

Core Skills

- **Programming:** Python, Java, Kotlin, PHP, SQL

- **Web Development:** Spring, Spring Boot, Spring Security
- **Cloud & DevOps:** AWS, Docker, Kubernetes, OpenSearch, Grafana
- **ML & DL:** PyTorch, Transformers (FinBERT), AutoML-PyCaret, Scikit-learn, W&B

Project

Multimodal Fusion of News Features in Deep Reinforcement Learning Portfolio Optimization

Jan 2026 - Present

E.SUN • *MIR Lab*

- **Objective:** Extend VisionTrader with news integration for better portfolio optimization (**E.SUN** industry-academia collaboration)
- **Content:** Incorporated news via two paths: **FinBERT**-based sentiment scores as input features; news embeddings fused with price-volume representations via **Concatenation, Gating Mechanism, and Cross-Attention**
- **Outcome:** Evaluated robustness of each fusion strategy across different time periods; ongoing research

VisionTrader: Applying Deep Reinforcement Learning to Incorporate Vision Time Series into Portfolio Optimization

Feb 2025 - Aug 2025

E.SUN • *MIR Lab* • *IEEE under review*

- **Objective:** Address instability of existing **DRL** models in portfolio optimization across different markets and time periods
- **Content:** Added richer market and technical indicator features; utilized **Vision Transformer (ViT)** to capture cross-asset and temporal relationships
- **Outcome:** Demonstrated superior stability in cross-market and cross-period out-of-sample tests; manuscript under review at **IEEE**

TSMC Cloud Native: Attendance System

Mar 2025 - Jun 2025

TSMC Course • *GCP*

- **Objective:** Build a cloud-native attendance management system (backend API, GCP infra, CI/CD)
- **Content:** Developed **RESTful APIs** with **Spring Boot + Spring Security** (JWT); managed **GCP** cloud resources via **Terraform** (Cloud Run, Cloud SQL, Storage, VPC)
- **Outcome:** Established **Cloud Build CI/CD** pipeline for automated **Docker** image packaging and deployment to Cloud Run

MedBag Checker: A Mobile Application for Preventing Drug Interactions with Smart Medicine Box Development

Jan 2023 - Sep 2023

NSTC • *MOE*

- **Objective:** Built a mobile + smart pillbox system to improve medication safety and convenience
- **Content:** Planned system architecture and developed **Android** frontend (**Kotlin** + Material Design 3)
- **Awards:** NSTC College Student Research Grant, 2nd Place in NCN MIS Project Competition, Finalist in Innovation Contest, MOE Startup Simulation Excellence Award

Professional Certifications

- **AWS Certified Cloud Practitioner** Jul 2023
- **Java EE 7 Application Developer** Jul 2022
- **Java SE 8 Programmer OCP** Sep 2021
- **Java SE 8 Programmer OCA** Jul 2021
- **TOEIC Blue Certificate, Score: 810** Aug 2021