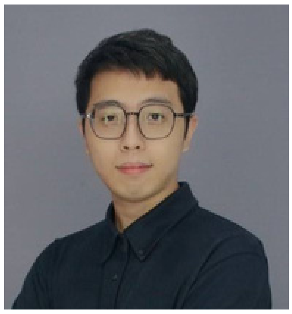
陳旻寬 Chen Min-Kuan



My focus is on AI agents, LLM optimization, and enterprise IT integration, with proven outcomes demonstrated through publications and practical system development.

📌 Bio: https://minkuanishere.github.io/min-kuan-cv/

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🔗 GitHub: https://github.com/MinKuanIsHere

🔗 LinkedIn: https://www.linkedin.com/in/min-kuan-chen-89a525236/

Education

M.S., Computer Science/ Institute of Network Engineering - *Feb 2025 – Expected Aug 2026*

- National Yang Ming Chiao Tung University

M.S., Commerce/ Financial Engineering - *Aug 2022 – Jul 2024*

- National Chengchi University - GPA 4.3/ 4.3

B.S., Information and Finance Management - *Aug 2018 – Jul 2022*

- National Taipei University of Technology - GPA 3.87/ 4，第1名畢業及3學年度書卷獎

Skills

- **Programming & Languages:** Python, C/C++, JavaScript, SQL
- **AI & Machine Learning:** LLM fine-tuning, RAG, AI Agent, Transformers, PyTorch, TensorFlow
- **Web & System Development:** n8n, RESTful API, React, Node.js, HTML/CSS
- **Infrastructure & DevOps:** Linux server, Docker, Git, CI/CD, MySQL

Experience

產學案研究助理/ 企業級專業數位分身平台系統 (產學案) - *Jul 2025 - Now*

- Develop an AI Agent with LLM understanding hardware specifications with Excel
- Use VLM to compare files (PDF and Excel) and mark differences to improve file reading efficiency

產學案研究助理/ 專業眼科醫療數位分身(台北榮總眼科部門診諮詢平台) - *Fed 2025 - Now*

- Co-developed 593 clinical dialogue scenarios and validated LLM responses
- Achieved <2% hallucination rate and summary with 85% precision with RAG

產學案研究助理/ 股票市場程式交易之監理 (中華民國證券櫃檯買賣中心) - *Jan 2023 – Dec 2023*

- Developed AI-powered trading and supervisory models for Taiwan’s financial market.

資訊工程人員/ 台灣增輝藝品有限公司 - *Jul 2021 – Jun 2022*

- Managed 40+ devices and optimized troubleshooting workflows, reducing resolution time by 25%.

金融服務平台部實習生/ 將來銀行 - *Jan 2021 - Fed 2021*

- Improved UI/UX and tested 10+ core mobile banking features, enhancing customer onboarding.

Publications

- **Best Student Paper Award** (2024). AI-based predictive system for trading strategies. *Euro-China Conference on Intelligent Data Analysis and Applications*, 2024.
- **Master's Thesis** (2024). Based on Quantile Regression Forests for Predicting Option Settlement Price Returns and Trading Strategy Applications.
- **First Author** (2024). An intelligent option trading system based on heatmap analysis via PON/POD yields. *Expert Systems with Applications*, 257, 124948.
- **First Author** (2022). Quantitative Trading of Vertical Spread Option Strategies with Stop-Loss by Machine Learning. *5th International Conference on Econometrics and Statistics*, 2022.
- **First Author** (2022), On the Prediction of Stock Price Return Based on LSTM and Application for Options Trading. *TRIA-FeAT International Conference on Risk, Insurance, and Financial Engineering*, 2022.