

LIU, Runlin

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Languages: English (Business), German(Business), Mandarin (Native)

SUMMARY

- Skilled in machine learning, text mining, and financial research, integrating technical and cross-cultural insights for actionable solutions.
- Multilingual in Mandarin, English, and German: enabling cross-cultural data projects and multilingual datasets insights.
- Proven leader: led 90% of university group projects (strategy, task allocation, presentations) with strong coordination and results focus.

SKILLS

Machine learning, deep learning, data mining, natural language processing
R, Python, Microsoft Packages, MySQL, Tableau, HTML
Leadership, financial analysis, cross-cultural communication

PROFESSIONAL EXPERIENCE

Soochow Securities, Shanghai, China 2024/06 - 2024/09

Vehicle Industry Analyst

- Authored in-depth reports on passenger vehicle exports. Utilized Tableau for visualization and panel fixed-effects regression to quantify impact of localization production on market share. Findings supported “Buy” ratings for leading Chinese automakers expanding overseas.
- Maintained monthly production and sales databases for domestic automakers. Improved data accuracy by 25% through cross-sheet processing formulas. Developed VBA automation scripts to enable data transfer from Excel to Word for weekly reports and created standardized tutorials.
- Constructed database for Chinese brands overseas. Developed five-table structure covering data for 200+ models across 10+ countries. Designed matching algorithm to calculate brand premium rates. This database became core infrastructure for team’s overseas market analysis.

Shanghai Jun-xi Investment Management, Shanghai, China 2024/01 - 2024/04

Investment Assistant

- Developed an automated processing and notification system for listed company announcements. Retrieved announcements from Wind , performed text classification using FinBERT across 8 categories based on researcher focus, supporting event-driven investment research.
- Researched sentiment index project with Python. Scraped on investment platform comment data, constructing multi-dimensional sentiment index based on polarity, intensity, and dissemination to explore its correlation with stock price fluctuations.
- Organized evolution of China’s financial system since 1997, covering over 95% of major policy milestones. Summarized 5 key development stages and compiled macroeconomic policy analysis framework based on keyword comparison.

Orient Securities, Shanghai, China 2023/09 - 2024/01

Industry Research Assistant

- Tracked movements of 30+ provincial-level and 10+ major economy leaders, interpreted articles from top think tanks such as RAND weekly, extracting 100+ core insights over 5 months to support team strategy briefings.
- Participated in designing high-frequency leading indicator index. Integrated 12 types of high-frequency economic data, reducing macro monitoring cycles from quarterly to weekly. Cleaned data in MySQL and refined weights based on rolling correlations with PMI/GDP.
- Validated leading correlation between high-frequency index and official indicators. Backtested data from 2018–2023, identifying 12 clear economic turning points with 9 correctly aligned with official PMI and GDP, achieving 75% accuracy rate.

EXTRA-CURRICULAR ACTIVITIES

College Students' Innovative Entrepreneurial Training Program, Nanjing, China 2021/09 - 2023/11

Business Development Manager

- Recruited 4-person team and led design of research framework. Coordinated data preparation of more than 1,000 multilingual texts, establishing interdisciplinary research methodology system covering text mining, semantic comparison, and sales correlation analysis.
- Utilized machine learning methods such as LDA topic modeling, text vectorization, and cosine similarity to systematically analyze collected corporate media texts and ESG reports, quantifying semantic consistency and narrative differences across 3 dimensions.
- Published paper based on project, demonstrating cross-language research leadership. Proposed dual-track “technology-responsibility” communication strategy for automakers expanding overseas, driving project to National-Level Outstanding (top 5% nationwide).

EDUCATION

- MSc Business Analytics, Nanyang Business School, Nanyang Technological University, Singapore 2025/07 - 2026/5 (expected)
- Bachelor of Economics (Finance), Nanjing University Business School, Nanjing University, China 2021/09 - 2025/06
- Bachelor of Arts (German), School of Foreign Studies, Nanjing University, China 2021/09 - 2025/06

INTERESTS

Enjoy learning new things through online courses: collection of 80+ courses spanning from history to AI, taken non-utilitarianly.
Engage in E-Sports with teammates: great way to keep self-confident and develop team communication, and problem-solving skills.