



Richard Lin

Investment Analysis

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I am a recent graduate in Accounting and Economics with hands-on experience in **quantitative research, investment analysis, and financial modeling** through internships at securities firms, private equity (PE), and venture capital (VC) firms. I specialize in **factor research, trading strategy development, and data-driven investment decision-making**, leveraging **Python, R, Stata, SQL, and Pine Script** to build and test quantitative models.

I am passionate about **applying financial technology to quantitative investing and portfolio optimization**. I independently developed **www.insurancedao.world**, a decentralized insurance platform, and **open-sourced an AI-driven RSS news analysis system** (GitHub: <https://github.com/Richard0047/-ai-rss-analyzer>), which performs **multi-language sentiment analysis and real-time investment intelligence alerts**, currently used by multiple VC firms for **market intelligence and deal sourcing**.

Additionally, I have designed and implemented **index-based automated trading strategies** using **Pine Script**, integrating **real-time market data, factor models, and execution algorithms** to optimize risk-adjusted returns. My research interests include **multi-factor portfolio construction, time-series forecasting, and market microstructure analysis**.

With a strong foundation in **quantitative analysis, financial modeling, and algorithmic trading**, I am eager to contribute to **data-driven investment strategies** and enhance **portfolio management through systematic research and technology-driven insights**.

Australia Visa Status

- Student Visa (Subclass 500), expires **Sept 2025**
- **Completion letter received in Dec 2024**, graduating on **Mar 2025**
- Currently applying for a **485 Temporary Graduate Visa**

Education

2024-12	Bachelor of Economics: Financial Economics And Accounting <i>University of Sydney - Australia, Sydney</i> <ul style="list-style-type: none">• GPA: 3.8/4.0.• Achieved Distinction or higher in all intermediate-level economics courses, e.g., awarded High Distinction in the time series analysis course ECMT3130: Forecasting for Economics and Business.• Complete 102 credits for a Major in Financial Economics and a Minor in Accounting in 1.5 years.• Be selected as a Student Mentor in 2024.
2024-08	Summer School: Study Abroad Exchange Program <i>University of Cambridge - UK, Cambridge</i>
2021-06	Bachelor of Science: Accounting & Finance (Discontinued) <i>University of London - LSE Academic Direction</i> <ul style="list-style-type: none">• Completed one year of coursework before pausing studies due to COVID-19. Gained practical experience in investment research, venture capital, and financial analysis during the gap period.• Transferred to the University of Sydney in Feb 2023 to complete my degree.

Skills

- 1. Investment Research & Quantitative Analysis**
 - **Financial Modeling & Valuation:** DCF, Comparable Analysis, transaction structuring
 - **Factor & Quantitative Research:** Factor analysis, multi-factor models, event-driven strategies, market microstructure
 - **Portfolio Optimization & Risk Management:** Asset allocation, index-enhanced timing, risk assessment
 - **Trading Strategy Development:** Technical indicators, market data analysis, ML-based execution models
- 2. Data Analytics & Quantitative Modeling**
 - **Programming & Data Processing:** Python, R, Stata, Pine Script, SQL, Excel Macros
 - **Statistical & Time-Series Modeling:** Forecasting, regression analysis, factor analytics
 - **Algorithmic Trading & Automation:** WebSocket data streaming, TradingView bot development
 - **Research & Machine Learning Applications:** Multi-omics data analysis for predictive modeling (GitHub: <https://github.com/Richard0047/olet5602/blob/main/Final2508.html>)
- 3. FinTech & Product Innovation**
 - **Decentralized Insurance:** Sole developer of **www.insurancedao.world**, researching blockchain-based insurance models & smart contracts
 - **Financial Technology Innovation:** Built a **blockchain & ZKP supply chain finance solution**, awarded **UNSW Founders Badge**
 - **SaaS Systems:** Contributed to the design of **legal tech SaaS workflows** at **Tahota Law Firm**, driving data-driven transaction optimization
 - **Investment Data Analytics:** Developed an **AI-driven RSS news analysis system** for real-time **global deal list monitoring & AI-powered investment research** (GitHub Link: <https://github.com/Richard0047/-ai-rss-analyzer>)

Work Experience

2024-08 - 2025-01	Investment Research Assistant (Project-Based) <i>Qifu Capital (VC)</i> <ul style="list-style-type: none">• Assisted in financial modeling, valuation analysis, and budget forecasting for multiple healthcare technology investments• Conducted risk assessments to support investment managers in evaluating capital allocation and market feasibility• Drafted investment memos and financial reports, facilitating cross-border collaboration with international investment banks• Contributed to the investment strategy and market analysis for projects in partnership with the Abu Dhabi Investment Office (ADIO)
2022-04 - 2023-03	Investment Associate (Full-Time, Early-Career) <i>Shenzhen Qianhai Chuangtian Asset Management, Shenzhen</i> <ul style="list-style-type: none">• Conducted financial modeling, valuation analysis, and investment research for renewable energy projects, supporting Guangdong Power Grid in solar energy investments• Performed due diligence and financial analysis for private placements, including Ewen Low Carbon (NQ871556)• Researched carbon neutrality & CCUS industry trends, leading to an invitation from Eurasian Academy of Sciences & China Cloud Computing Center to present insights on carbon-neutral investment strategies• Analyzed distressed asset portfolios, evaluating the financial stability and investment returns of projects
2021-10 - 2022-01	Capital Markets & Financial Research Intern <i>Tahota Law Firm (Top 50 in Asia)</i> <ul style="list-style-type: none">• Assisted in fundraising bids for private equity funds, supporting the preparation of financial opinions for listed companies• Conducted financial and regulatory research to support capital market transactions• Published the article “Innovation & Exploration: The Impact of the Beijing Stock Exchange on Legal Services,” recognized as one of the Top 10 Articles of 2021 at the firm• Contributed to SaaS workflow design for a legal tech platform, integrating data-driven transaction processes
2021-06 - 2021-09	Investment Research Intern <i>SDIC Securities (Top 10 Securities Firm in China)</i> <ul style="list-style-type: none">• Supported fundraising and marketing for structured financial products, assisting in the development and sales of snowball structured funds• Built financial forecasting and valuation models for regional healthcare investments, providing strategic insights for capital allocation• Conducted derivatives market research, co-authoring the report “The Era of Derivatives: Understanding CSI 500 Snowball Fund Structures through Market-Neutral Hedging Strategies”• Contributed to deal structuring and investor presentations, supporting a successful RMB 20 million capital raise for a CSI 500 index snowball fund transaction