

# Annie (Xinyao) Qian

## EDUCATION

### Rotman School of Management & Department of Economics, University of Toronto

*Master of Financial Economics*

Toronto, Ontario

*Expected June 2025*

- **Award:** Graduate Entry Scholarship (\$10,000)
- **Relevant Courses:** Financial Economics (A+); Fixed Income (A); Econometrics (A); Financial Risk Management (A); Options and Futures (A-)

### Faculty of Science & Vancouver School of Economics, University of British Columbia

*Bachelor of Science in Combined Statistics and Economics*

Vancouver, British Columbia

*Sep 2019 – May 2023*

- **Academics:** GPA 3.92/4.00
- **Awards:** Trek Excellence Scholarship (top 5%), International Student Scholarship (\$10,000, 3 years), Economics Undergraduate Scholarship (\$2,000), Selected Dean's list (2019-2020)
- **Relevant Courses:** Time Series and Forecasting (A+); Macroeconomic Analysis (A+); Financial Accounting (A+); Regression (A+)
- **Activities:** Statistics Representative 2020-2021, Statistics Teaching Assistant 2022, UBC Financial Wellness Peer 2021-2023

## PROFESSIONAL EXPERIENCE

### Mackenzie Investments

*Quantitative Research Summer Analyst (Multi-Asset Strategies Team)*

Toronto, Ontario

*May 2024 – Dec 2024*

- Automated ETF dividend calculations and weekly email distributions in Python using Bloomberg API and table cleaning, supporting mutual fund cash management
- Researched the impact of 30 presidential elections on FX volatility and return, analyzing 500+ Bloomberg news for case studies in 5 countries, providing macro signals for tactical asset allocation
- Researched and backtested SPX and VIX timing signals, wrote research reports and presented findings to the team
- Monitored Python codes for 3 mutual funds' daily reports, provided market news and FX/fixed income position changes weekly to the team

### China Western Securities

*Research and Development Institute Intern*

Shanghai, China

*Feb 2023 – Jun 2023*

- Investigated on electrophysiology market, including atrial fibrillation ablation, contributed to writing industry report for publication
- Analyzed financial statements and industry data using Excel, transforming them into slides for 5 medical device corporations to guide investments
- Developed 50 interview questions on future operations for 4 medical firms and organized meeting minutes to enhance team knowledge management

### Accenture PLC

*Strategy & Consulting Intern*

Shanghai, China

*Jun 2022 – Aug 2022*

- Created a research report and slide deck for a listed energy corporation, facilitating the implementation of human resource improvement initiatives
- Inquired into equity structure and subsidiary relationship of China's technology firm's financial services affiliate to assess market entry feasibility
- Utilized 3C's Model and PESTEL to analyze car sharing and bike sharing industry, providing market entry suggestions for clients

### DataMIMO

*Data Scientist Intern*

California, United States

*Jul 2021 – Aug 2021*

- Scraped and cleaned 5-year daily stock data for 9 S&P technology companies from Morningstar using Python pandas library to build a database
- Developed an optimized portfolio Python program using Mean-Variance Portfolio Theory and the capital market line to identify the portfolio with the highest Sharpe ratio and minimal volatility
- Determined intrinsic values of 2 technology corporations using DuPont analysis to help inform stock purchasing decisions

## EXTRACURRICULAR ACTIVITIES

### UBC Department of Economics

*Undergraduate Research Assistant*

Vancouver, British Columbia

*Jan 2023 – Apr 2023*

- Discussed research on stock price informativeness and business cycle weekly, synthesized research results for academic publications
- Cleaned and analyzed 3 datasets with over 5 million entries by R, e.g. calculated annual median variance for EPS, forecasted errors in US and Japan from 1982 to 2022
- Investigated special behaviors in R plots, e.g. the reasons behind a sharp decline in stock prices in Japan in 2002

### L'Oreal Brandstorm Case Competition

*Finalist and Team Captain, Canada National Top 10*

Vancouver, British Columbia

*Oct 2021 – Mar 2022*

- Proposed national technology track business innovation for 2030 visual user experience enhancement of retail beauty shoppers
- Designed high-level business model and proposal structure, collaborated on research and competitor analysis with the team
- Led team of 3 to validate proposal hypothesis through 5 expert calls, achieving Top 10 placement among 600+ national-level teams

## PERSONAL

- **Technical skills:** Python, R, SQL, Java, C++, Stata, Bloomberg Terminal, Regression Modelling, Time Series Modelling, Excel VBA, VaR
- **Certificates:** Google Data Analytics Certificate, Standard First Aid & CPR/AED level C,
- **Languages:** English (Fluent) GRE 327, Mandarin (Native)
- **Interests:** Foodie (have a social media account introducing food and restaurants), Travelling (volunteered in Kenya for half month), Piano