Peter Guo

EDUCATION

Rotman School of Management & Department of Economics, University of Toronto — Toronto, Ontario
Master of Financial Economics — *Expected June 2026*
– **Scholarship:** Graduate Entrance Scholarship ($4,000)
– **Relevant Courses:** Corporate Financing II (MBA); Options and Futures (MBA); Financial Economics; Econometrics

Faculty of Arts & Science, University of Toronto — Toronto, Ontario
Bachelor of Science (Specialist in Financial Economics, Major in Statistics, Rotman Business Fundamentals Certificate) — *Sep 2020 – Apr 2024*
– **Academics:** cGPA 3.88/4.0
– **Awards:** Graduated with High Distinction; Dean's List Scholar 2020 - 2024
– **Relevant Courses:** Machine Learning II (A+); Data Analysis II (A+); Applied Econometrics II (A); Time Series Analysis (A+); Adv. Macroeconomics (A+); Financial Economics (A+); Corporate Finance (A+); Financial Econometrics (A+); Risk Management (A+)

INDUSTRY CERTIFICATIONS

– CFI: Fixed Income Fundamentals, DCF Valuation Modelling, 3-Statement Modelling, M&A Modelling, Corporate Finance — *2024*
– Bloomberg Market Concepts: Equities, Fixed Income, Foreign Exchange, Commodities, Options, Economic Indicators — *2024*
– Training The Street: DCF Modeling, Merger Modeling, Financial Statements — *2023*
– Coursera: SQL for Data Science

PROFESSIONAL EXPERIENCE

Rotman School of Management, University of Toronto — Toronto, Ontario
Quantitative Research Assistant — *May 2024 – Present*
– Developed NLP text classification models to detect corporate fraud using Python, achieving a 15% increase in prediction accuracy
– Implemented web scraping scripts to extract over 22,000 data from SEC; conducted data cleaning and validation to support analysis
– Utilized BeautifulSoup, Scrapy, and Selenium to automate data collection process, reducing manual data collection time by 85%

Deloitte — Macao, China
Audit and Assurance Intern — *May 2023 – Aug 2023*
– Automated the updating process of transaction monitoring dashboards using VBA, improving process efficiency by two weeks
– Created and updated 25+ Excel models to streamline control testing and enhance misstatement detection for financial reporting
– Visualized operating performance to analyze trends in the company's activity over 3 years using Excel, supporting risk assessment

Government of Macao SAR Statistics and Census Service (DSEC) — Macao, China
Data Analyst — *May 2022 – Aug 2022*
– Developed Excel-based automation models using VBA for reporting and data processing, ensuring smooth workflow and efficiency
– Surveyed citizens to collect detailed personal information for the databases; analyzed and interpreted over 50,000 data points in Excel

New Yaohan — Macao, China
Marketing and Sales Intern — *May 2021 – Aug 2021*
– Utilized VBA and PowerPoint to generate reports; analyzed market conditions and competitor strategies to initiate marketing plans
– Established customized dashboards and automated reporting spreadsheets using Excel PivotTables for management's decision-making

RELEVANT ACADEMIC EXPERIENCE

Machine Learning in Macro Finance Project – Predictive Analysis of Unemployment Rates Using Python (Grade: A+) — *Oct 2023 – Dec 2023*
– Employed multivariate forecasting models for unemployment rates using (scikit-learn) Random Forest and Decision Tree algorithms
– Utilized Python for economic data manipulation, employing Matplotlib, Seaborn, and pandas for data analysis and visualization
– Applied statistical techniques for model validation and optimization using GridSearchCV, improving estimation accuracy by 20%
– Conducted feature importance analysis to explore the driving factors of unemployment rates, providing strategic economic solutions

Time Series Forecasting and Analysis Project – Stock Market Price Prediction Using R (Grade: A+) — *Feb 2023 – Apr 2023*
– Applied ARIMA and GARCH models to predict the mean and volatility of Financial Sector (XLF) and Energy Sector (XLE) ETFs
– Visualized and organized the data using ggplot2 and tidyverse; performed ACF and PACF to identify the optimal parameters
– Incorporated U.S. 3-month Treasury Bills as a risk-free benchmark to construct an efficient tangency portfolio based on the models

PERSONAL

– **Technical skills**: Excel (VBA, Financial Modelling), Python, R, SQL, Stata, PowerPoint, Bloomberg Terminal, LaTeX, Power BI
– **Languages**: English, Mandarin, Cantonese
– **Interests**: Avid Home Cook (International), Basketball, Strategy Board Games, Fitness, Poker, Esports (League of Legends)