

Tingting Zhu

BMath. University of Waterloo

Honours Mathematics Financial Analysis & Risk Management, joint,
Honours Combinatorics & Optimization Co-op



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Projects/Business

Co-Founder, Arendil

Matching algorithm with the mission to help individuals and companies to optimize for career fulfillments

WeatherScape

Data science project on population distribution weighted Canadian weather data, demonstrating data cleaning, scraping, and visualization techniques in Python

FlipCoin

Simple Android App that flips a coin to rescue those indecisive moments



Skills

Computer

- Data: Python, VBA, SQL, Tableau, Presto, HQL, Nexus, Scuba
- MS Office, GGY Axis, Bloomberg

Language

- Bilingual in English and Mandarin Chinese

Professional Examinations

- CFA Level I (Jun 2016)
- IFSE Branch Manager (Nov 2017)



Travel

Traveled to 8 countries and 2 continents

Eastern Europe and Asia, May—Jul 2017

- Developed planning and negotiation skills by organizing a personal international trip
- Cultivated communication skills and overcome language barriers through the use of non-verbal and verbal languages



Leadership

Rotational Leadership Development Program, Sun Life Financial

- Lead the business process re-engineering project for Market Based Complaints in Individual Compliance
- Designed and automated business processes for multiple teams to eliminate debunk roles
- Created a balance scorecard tool with elegant and simple UI that is now widely adapted by senior leaders and the CIO in Enterprise Services
- Assisted in investigation cases to uncover advisor misconducts
- Competed and pitched a product idea in the first Sun Life Ideathon
- Presented publicly in sections of a Sun Life event



Analytics

Business Intelligence, Facebook

- Built insights tools and automated dashboards that deliver powerful revenue, product adoption and market intelligence
- Leveraged historical data and market trend to forecast sales quota and attainments
- Researched and simplified complex problems, constructed and visualized data to proactively support the vertical teams by drawing insights using data analytics tools such as SQL, Hive, Presto, Tableau, Nexus, and Excel

Capital Market Finance Analyst, Royal Bank of Canada - Capital Market

- Managed and reported P&L for multiple Equity Derivatives Trading books
- Automated reporting process and ad hoc projects using VBA
- Investigated and resolved P&L discrepancies between system records and traders estimates, due to valuation methodologies and incorrect bookings of trades

Actuarial Analyst, Manulife Financial - Market & Liquidity Risk Management

- Valued Earning Sensitivities, Earning at Risk and Economic Capital using Excel based calibration workbook and forecasting tools, and analyzed quarter to quarter movements
- Ran stochastic/deterministic analyses on the impact of various scenario-shocks on the yield curve for Spread Risk and Interest Rate Risk

Actuarial Systems Analyst, Manulife Financial

- Analyzed system logs by running actuarial models in GGY AXIS Gridlink followed by execution of python code to produce performance reports
- Conducted focused group interviews and created multiple in-depth study surveys to collect behavioral and technical data points for various projects