

# Zirui Wang

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## EDUCATION

### MSc in Mathematical Finance – Candidate

09/2023 – 12/2024

- The University of Manchester
- Relevant Courses in plan: Derivative Securities, Asset Pricing Theory, Computational Finance, Stochastic Calculus, Brownian Motion, Martingale Theory for Finance, Stochastic Modelling in Finance, Stochastic Control with Applications to Finance

### Bachelor of Management and Organizational Studies (Specializing in Finance)

09/2019 – 05/2023

- University of Western Ontario
- Dean's Honour List 2019 & 2022
- Relevant Courses: Calculus I & II (A), Matrix Algebra (A), Computer Science Fundamentals (A), Intermediate Microeconomics (A), Intermediate Macroeconomics (B+), Econometrics I & II (A), Advanced Corporate Finance (A), Management Accounting (A), Derivatives (A)

## SKILLS & INTERESTS

**Standardized Test Results:** GRE General Test: 332 – Quantitative: 170/Verbal 162/Analytical Writing 4.5

**Technical Skills:** Python, SQL, Tableau, R Studio, C++ (learning)

### Workshops, Projects & Courses:

- R for Economics Project at UWO with a grade of 85/100
- EDHEC Business School/Coursera.org – Investment Management with Python and Machine Learning (learning)
- Peiking University/Coursera.org – Program Design and Algorithm with C++ (learning)

## WORK EXPERIENCE

### Qingdao City Construction Investment Group

Qingdao Shandong, China

Investment Analyst Intern

06/2023 – 08/2023

- Conducted research for potential investment projects and monitoring performance of existing investments
- Examined trading strategies on published research papers to identify potential profitability

### Qingdao Airlines Co., Ltd.

Qingdao Shandong, China

Business Analyst Intern

04/2021 – 07/2021

- Collaborated in formulating C round financing and underwriting prospectus for IPO with Dongxing Securities
- Conducted short-term and long-term debt ratio analysis, cash flow analysis, and turnover analysis and suggested pending IPO for recovering financial stresses resulted from COVID-19

### The Bank of China (Tai'an Branch)

Tai'an Shandong, China

Personal Digital Financing Intern

12/2020 – 03/2021

- Managed daily data from 10 branches of all personal loan and financing services and conducted data visualization for all data of personal savings, housing loans, and securities purchases with Excel and Tableau
- Assisted in pricing new financial products and conducting NPV, IRR, and Payback analysis and in launching new products

## OTHER ACTIVITIES

- Volunteered as a remote, unpaid teaching assistant to help Professor Chen at YanTai University to mark exams and quizzes for students enrolled in Econometrics for the Fall term of 2022