

# Mingjing Qu

Fengtai District, Beijing, China 100086 | +86-131-4611-3115 | mingqu@bu.edu | linkedin.com/in/mingjing-qu

## Skills and Credentials

---

Programming: MATLAB, R, Python, LaTeX, C, Java

Mathematics: Numerical Analysis, Fourier Series, Computational Methods, Time Series Analysis

Certifications: Bloomberg Market Concepts

## Education

---

Boston University, Questrom School of Business

Boston, MA

### M.S. Mathematical Finance & Financial Technology

Expected January 2022

- Coursework: Statistics, Programming (R, Python, C++), Stochastic Methods of Asset Pricing

Virginia Polytechnic Institute and State University

Blacksburg, VA

### B.S. Applied Computational Mathematics; B.S. Computational Modeling and Data Analytics

May 2020

- Relevant Coursework: Calculus, Linear Algebra, Differential Equations, Mathematical Modeling, Numerical Analysis, Fourier Series, Data Analytics and Visualization, Probability, Game Theory, Econometric Methods

## Experience

---

CCB Fintech

Beijing, China

### Business Analytics Assistant

June 2019 - August 2019

- Drafted project plan template to monitor the progress of implementation of consolidated management system at China Construction Bank
- Developed feasible solutions for a multi-party security computing model to decrease the model's processing time and accuracy of the results
- Collaborated with potential suppliers in implementing the best solution (software package)

## Projects

---

Virginia Polytechnic Institute and State University

Blacksburg, VA

### Geological Data Analysis by Machine Learning

August 2019 - November 2019

- Analyzed incomplete raw data by sorting and grouping; cleaned and mapped data by using machine learning methods
- Compared speeds and applicability of different algorithms by using Cross-validation (XG boosting, KNN, random forest, multivariable regression, logistic regression, support vector machine, long short-term memory networks)
- Visualized and analyzed results from various algorithms, and compared the results to ensure accuracy
- Predicted with 74% accuracy that the quantity of antimony (metal) is highly correlated to the quantity of gold present at any location

### Broadway Theater Data Analysis

January 2018 - May 2018

- Analyzed the theater's operational data (show times, performance types, number of weekly sessions, geographical location, and theaters' capacity) to find opportunities to increase sales
- Cleaned and visualized data (R, Python)
- Conducted time series analysis

## Additional Information

---

Languages: Chinese (Native), English (Native), Japanese

Interests: Sketch, traveling, rock-climb, badminton

Community Service: Volunteered at Beijing Science and Technology museum as narrator