

Xiangyi Zhou

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Skills and Credentials

Programming: MATLAB, R, Python, SQL, LaTeX
Mathematics: Stochastic Calculus, Computational Methods
Certificate: CFA Level 1 candidate

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

Muhlenberg College Allentown, PA

B.A. Finance; B.A. Mathematics May 2020

- Merit award: Dean's List (Fall 2017, Fall 2019, Spring 2020)
- Coursework: Mathematical Analysis, Differential Equations, Statistics, Transitions, Chaos and Fractals, Operations Research, Linear Algebra

Experience

JP Morgan (China) Shanghai, China

Industry Research Analyst August 2020 - Current

- Researched type of products and services offered, clients served, strengths and weaknesses, and hiring practices at J.P. Morgan (China), Morgan Stanley (China), CICC, CITIC Securities, Guotai Junan Securities
- Analyzed real estate industry in China by using Porter's five forces framework
- Examined the financial statements of two real estate companies using DuPont analysis
- Analyzed the income statement of a public real estate company and predicted its future earnings; advised manager in making an investment decision

Project

Muhlenberg College Allentown, PA

Advanced Research in Financial Management September 2019 - December 2019

- Analyzed Costco's income statement and calculated the company's current assets, liabilities and predicted the growth of the stock price
- Calculated future bond prices, net property, plant and equipment (PPE), market capitalization, and price per share

Financial Engineering January 2019 - May 2019

- Applied one-factor stochastic differential equation interest rate model and the Monte Carlo method to calculate the model-derived zero-coupon bonds prices
- Built a binomial pricing model by using maturity, interest rate, and rate fluctuation

Additional Information

Languages: Mandarin (native), English (proficient)

Interests: Archery, horseback riding, swimming

Activities: Member of the Asian Student Association at Muhlenberg College. Organized annual events and participated in Chinese Luna New Year activities such as Dragon Dance, make dumplings.