Huiyuan Zhang

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Skills and Credentials

Programming: MATLAB, Python

Mathematics: Optimization Theory and Methods, Mathematical Model

Education

M.S. Mathematical Finance & Financial Technology — Expected January 2023
Boston University, Questrom School of Business — Boston, MA

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

B.S. Information & Computer Science [GPA 3.5] — July 2021
Hunan University — Changsha, China

- Merit award: Mathematical modeling contest, First-Class scholarship, Excellent Student title
- Coursework: Mathematical Analysis, Numerical Analysis, Ordinary Differential Equations, Partial Differential Equations, Object-oriented Programming, Python Data Processing, Multivariate Statistical Analysis, Probability & Statistics, Advanced Algebra, Applied Stochastic Process, Optimization Theory and Methods, Real Variable Function

Experience

Part Time Assistant — July 2019 - August 2019
Morgan Stanley Capital International — Online

- Tasked with building financial models to calibrate the price of multiple derivatives under multiple asset classes, as well as combination of multiple derivatives
- Implemented risk and performanced analytics for portfolios under multiple asset classes

Projects

Project Finance for Utility-Scale Solar Power Plant — January 2019 - March 2019
Stanford University — Online

- Member of a group tasked with building a group-agreed pro forma model for a multi-billion dollar solar project including forecasts of cash flows, equity returns, and borrower credit ratios, etc. (Excel)
- Reached a go/no-go decision for the project and gave a full presentation to the Board of Directors based on modeling results and examination of all key issues as a group

Additional Information

Languages: Mandarin, English

Interests: Badminton, films especially comedies, social voluntary service