Hunter (Zhouyuan) Zhang

TEL.: (734)800-6785 E-MAIL: hunterzz@umich.edu
ADDRESS: 530 Church St., Ann Arbor, MI 48109

EDUCATION BACKGROUND

University of Michigan Ann Arbor, MI
Master of Science in Quantitative Finance and Risk Management *Sept.2018-Dec.2019*

- **Courses:** Advanced Financial Mathematics, Fixed Income Markets, Financial Trading, Computational Finance.

Hunan University Changsha, China
Bachelor of Science in Mathematics and Applied Mathematics *Sept.2013-Sept.2014*
Gap Year
Sept.2015-Jun.2018

- **GPA:** 86.85% First Scholarship of Hunan University (Top 5%)
- **Courses:** Stochastic Process, Bayesian Statistics, Mathematical Economics, Econometrics, C programming.

PROFESSIONAL EXPERIENCE

Jin Xin Big Data Financial Research Institute Shenzhen, China
Intern, Financial Data Group *Feb.2018-Apr.2018*

- Processed and validated futures data with Python, by analysis of outlier, data entry, and managing data files.
- Connected with quantitative research group and collected weekly feedback.

Fortune Securities Company Shenzhen, China
Quantitative Research Intern *Jul.2017-Aug.2017*

- Collected and processed data from Wind Database, including the data of financial factors and momentum factors; established regression model between data and stock performance.
- Designed and developed trading framework with MATLAB to backtest 12 single-factor stock selection strategies; incorporated constraints from transaction details and market style to enhance reliability of the result.
- Analyzed the performance of an event-driven strategy that generated 15% annual return; completed 18-page report to evaluate sensitivity of strategy to sectors, original stock-selection pools, and other transaction parameters.

RESEARCH EXPERIENCE

Application of Text Mining in Product Reviews Analysis Changsha, China
Department of Applied Mathematics *Feb.2018-Jun.2018*

- Web-crawled product reviews with Python; established framework for processing text data such as data-cleaning and text segmentation.
- Applied Natural Language Processing algorithms and Sentiment Analysis Methods to transform unstructured text data and categorize reviews.
- Established index system to evaluate product and developed platform to display visual results.

Numeric Simulation of Option Pricing Differential Equation Changsha, China
National Student Innovation Training Project *Sept.2016-Dec.2016*

- Applied sub-equation method with MATLAB to establish nonstandard finite difference scheme of Black-Scholes differential equation.
- Verified convergence and stability of difference scheme in the case of positive conditions.
- Analyzed difference scheme with method of correction equation.

VOLUNTEER EXPERIENCE

AIESEC EGPYT Cairo, Egypt
International Volunteer *Feb.2015-Jun.2015*

- Designed workshops to introduce Chinese traditional culture in local community.
- Organized weekly adventure event to help more than 60 local teenagers cultivate global vision and leadership.

SKILLS

Languages: English-Fluent, Mandarin-Native Speaker.
Programming: MATLAB, Python, Bloomberg, Excel.
Certificate: CFA Level I Candidate.