Rui (Frank) Xiao

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EDUCATION

University of Michigan **Sept.2017 - Dec.2018**
Master of Science in Quantitative Finance and Risk Management *Ann Arbor, MI*

- Cumulative GPA: 3.88/4.00. Coursework: Stochastic Analysis for Finance, Numerical Methods, Financial Modeling, Computational Finance, Applied Statistics, Analysis of Time Series, Machine Learning, C++ Programming

Tsinghua University **Sept.2012 - Jul.2016**
Bachelor of Science in Civil Engineering & Bachelor of Economics in Finance *Beijing, China*

- Cumulative GPA: 3.92/4.00. Selected Coursework: Principle of Finance, Fixed Income Securities, Financial Derivatives Probability and Statistics, Stochastic Processes, Equations of Mathematical Physics

PROFESSIONAL EXPERIENCE

Zaner Group LLC. **May.2018 - July.2018**
Quantitative Research, Summer Intern *Chicago, IL*

- Developed a Matlab program based on SVI Model to shape implied volatility surface of SPX INDEX. Verified formulas and analyzed testing results to improve the performance and accuracy of numerical results
- Wrote a R program using ARIMA model to find the relationship of cycle components between NASDAQ Index and Crude Oil Price.

DongXing Securities CO., LTD. **May.2017 - Aug.2017**
Quantitative Research, Summer Intern *Beijing, China*

- Developed a Matlab program based on the Directional Bet with Inventory Penalty to work out a strategy that monitored the arbitrage opportunities among all the 50EFT options in the Shanghai Stock Exchange, the expected return is 0.1%
- Wrote a paper focusing on market making strategies and won Top 5% Prize of the Shenzhen Stock Exchange Essay Competition

China Securities CO., LTD. **Feb.2017 - Apr.2017**
Strategy Research, Intern *Beijing, China*

- Applied DDM model with PEG and EBITDA analysis to perform equity evaluation for three medical companies. Provided reasonable results and instructions for clients, and guided their decisions
- Based on CAPM model and Beta Analysis to calculate the expected returns of companies in medical biotechnology. Used expected returns along with actual results and applied the sensitivity analysis to assess risk analysis

RESEARCH EXPERIENCE

Michigan Quant Lab **Sept.2017 - Dec.2018**
Student Researcher *Ann Arbor, MI*

- Implemened XGBoost to analyzed the relationship between investor attention and stock return in China A-share Market. By adding investor attention factors such as the number of clicks and the number of following on a specific stock, we improved roughly 7% model performance in stock return prediction compared with model using only classic financial factors

SKILLS

Technical skills: C++, Python, Matlab, R
Languages: English - Fluent, Mandarin - Native speaker