Runqiu Xu
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EDUCATION

University of Michigan	**Ann Arbor, Michigan**
Master of Science in Quantitative Finance and Risk Management GPA: /4.0.	*September 2018 – Present*

Selected Courses: Stochastic Process, Continuous Time Finance, Computational Finance, Machine Learning, Numerical Method

University of Minnesota - Twin Cities	**Minneapolis, Minnesota**
Bachelor of Science in Economics and Bachelor of Arts in Mathematics GPA: 3.90 / 4.0	*September 2016 - May 2018*
Shandong University in Finance and Economics	**Shandong, China**
Bachelor of Arts in Finance (in conjunction with University of Minnesota) GPA: 3.91 / 4.0	*September 2014 - May 2018*

SKILLS & AWARDS

- Technical: Microsoft Office, SQL, C++, Python, R, National Computer Rank Level 2
- Certificate of Accounting Professional, Futures Professional, Securities Professional, IRS Certificate
- Top 10, "Golden Sunflower" Fund Trading Simulation Contest, held by China Merchants Bank (2016)

INTERNSHIP EXPERIENCE

China Merchants Bank Singapore	**Singapore**
Intern, Private Bank Department	*July 2018 – August 2018*

- **Quantitative Analysis:** Implemented price-earnings ratio valuation method while combing Price-to-sales to evaluate comparable companies' relative valuations efficiently; ran Monte Carlo simulation improving multi-factor model by seeking interest rate and capital reserve as two factors that evaluate Ant Financial services.
- **Research & Reporting:** Conducted research on machine learning of Intelligent Customer Service System solving personal credit score problem; composed report showing the positive relationship between P/E ratio and future profit growth rate.
- **Portfolio Construction**: Set up long-term investment goal according to risk-return characteristics from Global Asset Allocation System; analyzed asset allocation including equity and fixed income products and supplemented market analysis with 17 individual stock's correlation; captured portfolio risk by computing VaR and recommended investment strategies.

Zhongtai Securities	**Shandong, China**
Summer Intern	*July 2017 – August 2017*

- **Trading strategies**: Conducted trading analysis in inventory risk control and flow qualities to reveal long/short term patterns; applied pricing models for China stocks using alpha signals; implemented an ETF pricing infrastructure and generates ETF pricing information.

REASERCH EXPERIENCE

"Convergence Theory of Stochastic Process" Research Project	**University of Minnesota**
Research Assistant	*February 2018 - May 2018*

- Used MATLAB to test different examples of Convergence Theory and designed experiment to prove Perron Frob. Theorom.

"Intellectual Property Rights" Research Project	**University of Minnesota**
Econ 4331W: Economics Development	*May 2017 – August 2017*

- **Regression Analysis**: Analyzed how Intellectual Property Rights contributed to GDP growth with 5 complex indicators combining technology and policy in each of them; used polynomial to regress panel data where different samples can only be processed once increasing efficiency.

Mathematical Contest in Modeling	**Shandong University in Finance and Economics**
Second Place Winner	*January 2015*

- **Mathematical Modelling**: Established a Supply-Demand Analysis System of Taxi model to solve a subsidy efficiency problem; made an improvement in original indicators Factor Analysis when DEA showed a low efficiency of subsidy policy.
- **Back Testing & Data Mining**: Performed LINGO to reduce complexity of multivariable taxi resource data in space and time; filtered data on taxi website panel to detect taxi trends in 5 cities.

CLUB AND LEADERSHIP ACTIVITIES

Prepare + Prosper	**Minneapolis, Minnesota**
Tax Preparer Volunteer	*July 2017 – August 2017*

- Prepared state and federal tax returns for clients and assisted clients with credit claims by explaining documents.

Accenture Innovation Challenge	**Minneapolis, Minnesota**

- Interpreted data of potential donors and brainstormed qualitative solutions to preserve volunteers (2017).

Financial Research Club	**Shandong University in Finance and Economics**
Vice President	*September 2015 - August 2016*

- Participated in a business planning contest to conduct field study and prepared strategies documents for contesters.

Bright Education Project	**Guangxi, China**
Teaching Assistant Volunteer	*June 2016 - July 2016*