

Esther (Shuangning) Zhu

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EDUCATION

University of Michigan

Ann Arbor, MI

Master of Science in Quantitative Finance and Risk Management

Sept. 2017 – Expected May 2018

Bachelor of Science in Financial Mathematics

Sept. 2015 – Apr. 2017

- GPA: **3.84/4.00** James B. Angell Scholar and University Honors
- Courses: Financial Math, Stochastic Process, Numerical Analysis, Computer Science, Probability

Beijing Foreign Studies University

Beijing, China

Double Major in Finance and English Literature

Sept. 2012 – Jun. 2015

- GPA: **3.62/4.00** Global Times Scholarship (Top 5%)

WORK EXPERIENCE

Chinalin Securities Co., Ltd.

Beijing, China

Fixed Income Summer Intern

Jul. 2017 – Aug. 2017

- Worked on various *Asset Backed Securities*(ABS) products, assisted in finalizing terms of a \$60-Million bond
- Created spreadsheets in Excel to analyze cash flow of a \$80-Million asset that determined the actual dollar amount of interest paid to investors
- Conducted company research on electric power industry that assisted seniors to implement risk analytics
- Analyzed financial statements, assessed underlying assets and summarized information on company's finances

Stephen M. Ross School of Business

Ann Arbor, MI

Research Assistant

May 2017 – Jul. 2017

- Assisted on the paper "*Estimating and Testing Dynamic Corporate Finance Models*"
- Reviewed a Monte Carlo study of highly computationally intensive estimation techniques
- Used C++ and Python to make multiple simulations on Linux system

China Guangfa Bank

Beijing, China

Investment Analyst Intern

Feb. 2015 – Mar. 2015

- Created database in financial operating system based on information of 700 clients
- Connected with more than 150 industrial clients and assisted them in the system update process

LEADERSHIP EXPERIENCE

Enactus (a global nonprofit organization)

Beijing, China

Team Leader

Sept. 2012 – Jun. 2013

- Built a new business model for a local organization, developed product strategy and go-to-market policies, coordinated on-campus trade shows, resulting in cost reduction and profit growth

Student Government

Beijing, China

Communications Director

Sept. 2012 – Jun. 2013

- Served as point of contact and provided information on resources to more than 200 students and alumni
- Enhanced online reach of newsletters through social media to inform students of upcoming events

SKILLS

- **C++:** Experience designing, implementing, testing and debugging many large-scale projects independently
- **Python:** Wrote algorithms to model market risk and built Monte Carlo simulations of 3 stocks
- **Excel:** Applied financial functions such as VLookUp, Proficient with other MS Office applications