

Shuangning (Esther) Zhu

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EDUCATION

University of Michigan

Master of Science in Quantitative Finance and Risk Management

Sept. 2017 — May 2018

Bachelor of Science in Financial Mathematics

Sept. 2015 — Apr. 2017

• **GPA:** 3.84/4.00

Honors/Awards: James B. Angell Scholar and University Honors

Beijing Foreign Studies University

Major in Finance

Sept. 2012 — Jun. 2015

• **Courses:** Financial Math, Fin Engineering, Econometrics, Numerical Analysis, Computer Science, Accounting

WORK EXPERIENCE

Chinalin Securities Co., Ltd.

Beijing, China

Fixed Income Summer Intern

Jul. 2017 — Aug. 2017

- Worked on various *Asset Backed Securities (ABS)* product with senior investment professionals
- Conducted *research on electric power industry* and participated in *company level reviews* of 4 energy providers in China that assisted seniors to implement risk analytics
- Analyzed *financial statements*, assessed the *underlying assets* and offered relevant information of the company's finances
- Drafted description of our core product and clarified the *risk control* policy
- Created spreadsheets in *Excel* to analyze *cash flow* of \$10 million worth of assets that determined the actual dollar amount of interest paid to investors

Stephen M. Ross School of Business

University of Michigan

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 and 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 and supported seniors to develop client-specific hedging strategies and to design tailored products
- Connected with more than 150 industrial clients and assisted them in the system update process

EXTRACURRICULAR ACTIVITIES

Michigan Finance and Mathematics Society (MFAMS)

Sept. 2016 — Apr. 2017

Women in Mathematics (WIM)

Sept. 2016 — Apr. 2017

Enactus, Beijing Foreign Studies University

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 Foreign Studies University

Sept. 2012 — Jun. 2013

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

SKILLS

- **C++:** Experience designing, implementing, testing and debugging a large scale project independently (1000+ lines of code)
- **Python:** Basic knowledge and have reviewed a financial model written in Python
- **Excel:** Applied financial functions such as VLookUp, Proficient with other MS Office applications
- **Matlab:** Performed Monte Carlo simulation to compute the expected value with application of Ito's Formula
- **Stata:** Created economic model based on indices such as Dow Jones and S&P 500 to make regression analysis