# Shuyu DING

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## EDUCATION

**Department of Mathematics, University of Michigan**                                    Sep. 2016 – Present

*Master of Science in Quantitative Finance & Risk Management*

Courses include: Computational Finance, Discrete State Stochastic Processes, Advanced Financial Mathematics, Applied Statistics

**Antai College of Economics & Management, Shanghai Jiao Tong University (SJTU)**        Sep. 2012 – Jul. 2014

*Bachelor of Business Administration*

Courses include: Operational Research, Financial Management, Multinational Corporate Finance

**School of Mathematics, Shanghai Jiao Tong University SJTU**                            Sep. 2010 – Jul. 2012

Courses include: Mathematical Analysis, Advanced Algebra, Number Theory, Ordinary Differential Equations, Numerical Analysis

## WORK EXPERIENCE

**Ernst & Young** | Financial Services Organization Department| Shanghai Office | Auditor        Oct. 2014 – Apr. 2016

- Completed training on auditing financial companies, including banks, security and fund companies
- Audited the biggest finance leasing company in China for the 2014 and 2015 fiscal years, mainly focused on cash, bank deposits, and borrowings (loans and bonds). Analyzed interest yield of bank accounts and borrowings to check the accuracy of interest income and expense
- Reviewed hundreds of loan grading cases to determine the bad debt ratio, computed the fair value of the company's bonds using models, and used SAP and Thomson Reuters to retrieve relevant data.

## RESEARCH EXPERIENCE

**Learning-support Website Development** | SJTU | Research Assistant                     Jun. 2013 – Oct. 2013

*Advisor: Xiaorong Li, Lecturer at Antai College of Economics & Management, STJU*

- Assisted in development of learning-support website, which automatically generates unique study questions and practice sets for accounting students.
- Determined the relationships and constraints of all of the variables in a question, constructed the questions into formulas for the IT team to transform into programs, identified and resolved program bugs.

## LEADERSHIP AND ACTIVITIES

**Crosstalk Comedy Association | SJTU | President and Performer**                         Sep. 2010 – Jul. 2014

- Organized new member recruitment and other association activities, wrote scripts for and rehearsed performances, organized and performed Crosstalk shows at several campus events

**Translation of Courses in Coursera (Coursera / Guokr) | Online | Translator**          Sep. 2013 – Dec. 2013

- Translated the Coursera course *Introduction to Logic* from English into Chinese

**Student Union | Shanghai | "Special Needs" Tutor**                                     Sep. 2010 – Jun. 2011

- Tutored a special needs high school student and helped her with her coursework every weekend

## ADDITIONAL INFORMATION

**Computer Skills:** C, Python, Matlab, Stata, SPSS

**Coursera:** Interactive Programming in Python, Using Databases with Python, Financial Markets, Game Theory, Cryptography, Introduction to Mathematical Thinking

**ACCA Affiliate:** Financial Accounting, Financial Reporting, Financial Management