

# Shuyu DING

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## EDUCATION

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### School of Mathematics, University of Michigan

Sep. 2016 – Present

*Expected Master Degree: 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, SJTU

Sep. 2010 – Jul. 2012

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

## WORK EXPERIENCE

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### EY | Financial Service Organization | 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 year, 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 to determine the bad debt ratio, computed the fair value of the company's bonds using models, and used SAP and Thomson Reuters to get data.

## RESEARCH EXPERIENCE

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### Learning-support Website Development | SJTU | Research Assistant

Jun. 2013 – Oct. 2013

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

- Assisted in development of learning-support website, which renders questions automatically, and students all receive different questions (with different variables or conditions) on the same idea or topic.
- Decided 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, discussed with them to deal with the bugs.

## LEADERSHIP AND ACTIVITIES

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### Crosstalk Comedy Association | SJTU | President and Performer

Sep. 2010 – Jul. 2014

- Organized new recruit and other association activities, wrote scripts for and rehearsed performances, organized and performed crosstalk shows in several campus parties

### 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

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**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