

# Chengcheng Gu

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## EDUCATION

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### University of Michigan, Ann Arbor, MI

Sept. 2017-Present

*M.S. in Quantitative Finance and Risk Management*

Courses: Computational Finance, Applied Statistics, Stochastic Analysis, Numerical Methods

### East China Normal University, Shanghai, China

Sept. 2013-Jun. 2017

*B.S. in Mathematics and Applied Mathematics (Minor in Finance)*

GPA: 3.69/4.00

Courses: C++/Python Programming, Probability, Statistics, Real/Complex Analysis, Micro/Macroeconomics

## PROFESSIONAL EXPERIENCE

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### Nielsen Co, Shanghai, China

Sept. 2016-Mar. 2017

*Financial Market Analysis Assistant*

- Researched to learn about financial products, wrote proposal for a prospective project
- Designed questionnaires to be distributed before and after the project, revised questionnaires for logical mistakes, distribution of participants with different features and wording in English questionnaires
- Used PowerPoint charts and graphics to conduct horizontal and vertical comparisons, analyzed the project effects through data comparisons, made recommendations for improvement

### Guolian Securities Company, Wuxi, China

Jun. 2016-Aug. 2016

*Sales Intern*

- Collected stock market data and news on daily basis
- Calculated monthly sales volume, sorted out sales data and produced charts for summaries in Excel
- Applied knowledge of security investment to forecast the market's moves and simulate investments, profited 10% within a month

### China Minsheng Bank, Wuxi, China

Jun. 2015-Aug. 2015

*ITFIN Assistant*

- Drafted successful proposals for new products, including new features, distinctions, edges and target clients of new products
- Adapted existing hierarchical client model to the features of our branch's ITFIN clients, based on their deposits, loans and usage of other functions
- Summarized information of ITFIN clients, conducted telephone follow-ups
- Drafted guides for clients to purchase financial products online

## PROJECT EXPERIENCE

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### Bathtub Water Efficiency Model

Feb. 2016

- Built a temperature-water velocity model, a double-layer media model, and a grid segmentation model in Matlab to study heat conduction and determine the position and velocity for adding hot water
- Compared the heat dissipating capacity to decide the shape of bathtub
- Won Meritorious Winner Prize in MCM/ICM

### Feasibility Research on Corporation's Issuance of Perpetual Capital Securities

Oct. 2014-Oct. 2015

- Designed mathematical models to calculate costs for issuing perpetual capital securities using GD Power's data
- Used C++ to compare yields of perpetual capital securities with those of common corporate bonds and stock products
- Summarized operation and development features of perpetual capital securities, wrote an 80-page report

## SKILLS

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- Programming tools: C++, Python, Matlab
- Communication: Native in Mandarin; Fluent in English