

# Tina (Tianyi) Ding

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## EDUCATION

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### Columbia University, Graduate School of Arts and Sciences

New York, NY

MA in Mathematics with specialization in the Mathematics of Finance

Expected: Dec 2017

- **Relevant Coursework:** Programming for Quantitative Finance, Capital Markets and Investments, Time Series Modeling, Stochastic Process and Applications, Multi-Asset Portfolio Management, Numerical Methods in Finance

### The Ohio State University

Columbus, OH

BS in Actuarial Science & Mathematics – Financial Track GPA: 3.89/4.0

May 2016

- Dean's List for every semester
- **Relevant Coursework:** Financial Economics, Derivatives Markets, Scientific Computing, Financial Asset Pricing, Econometrics, Probability and Statistics, Corporate Finance, Accounting

## SKILLS AND CERTIFICATIONS

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- Computer skills: MATLAB, C++, SAS, Excel, STATA, Gretl, PowerPoint
- Passed Society of Actuaries Exam 2 Financial Mathematics (Jun 2015); Exam 1 Probability (Jan 2014)

## WORK EXPERIENCE

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### Bank of China Private Banking and Wealth Management Center

Nantong, China

Wealth Management Summer Analyst

Jun 2016 - Jul 2016

- Conducted research on over 30 accounts of high-net-worth individuals to find target clients
- Presented a new product FOF (Fund of Funds) to over 100 branch sales and prepared handouts for promotion
- Assisted customer managers in selling FOF and achieved goal of selling \$4.5 million in one day

### The Ohio State University Math and Statistics Learning Center

Columbus, OH

Mathematics Department Tutor

Nov 2014 – Dec 2015

- Provided daily one-on-one tutorial session to help students with Calculus homework
- Tracked and monitored performance of students and provided weekly feedback for improvements
- Organized 4 workshops every semester before exams to review lecture materials

### China Life Insurance Company Limited

Nantong, China

Actuarial Summer Intern

May 2014 – Jul 2014

- Compiled, filtered, and organized sales data from latest quarter using SAS
- Analyzed and evaluated a P&C side insurance project using Excel
- Formulated a list of 120 potential and existing policy holders for market research and team discussion purposes

## PROJECT EXPERIENCE

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### Applications of C++ in Creating Excel Add-Ins for Quantitative Finance Models

Columbia University

- Created self-contained Excel Add-ins to implement financial models by using C++14 and third party libraries
- Documented, Programmed, and tested Black-Scholes/Merton Formula, Implied Volatility, Bootstrapping in Piecewise Interest Rate Curves, Short Rate Model, and Monte Carlo Simulation

### Applications of MATLAB in Predicting Future Stock Prices

The Ohio State University

- Generated and validated a Hidden Markov Model using historical data for DJIA and GM
- Tested the model and used it to predict the future state and associated price

## LEADERSHIP AND ACTIVITIES

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### Group Leader and Filming Assistant in J2K Dancing Club

Columbus, OH

- Choreographed 3 Hip Hop performances per year
- Photographed, filmed, and advertised events on social media websites

### Volunteer in Community Service

Columbus, OH

- Designed after-school academic curriculum for kids ranging from 6 to 12 years old
- Coordinated daily recreational activities and served as a resource

## LANGUAGES AND INTERESTS

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- Language: native in Chinese, working proficiency in English, limited proficiency in Japanese
- Interest: Traveling, Photography, Dancing, Guitar, Poker, Snorkeling