

John Zhou

Address: 430 Packard St, Ann Arbor, MI 48104

Phone: 734-881-0412

E-mail: superzz@umich.edu

EDUCATION

University of Michigan, Ann Arbor

Master of Science in Quantitative Finance and Risk Management

09/2016-12/2017

- Key courses: Discrete State Stochastic Processes, Advanced Financial Mathematics, Applied Statistics, Computational Finance

East China University of Science and Technology (ECUST)

Master of Science in Mathematics

08/2015 – 07/2016

- Key courses: Computational Statistics, Linear and nonlinear programming, Numerical Solution of Nonlinear System of Equations, Design and Analysis of Algorithms

- GPA: 3.52/4.0

Bachelor of Science in Mathematics and Applied Mathematics

08/2011 – 07/2015

- Key courses: Measure Economics, Experiment of Financial Mathematics, Multivariable Statistics, Mathematical models, Data Mining

- GPA: 3.53/4.0

Excellent Bachelor Graduation Thesis (top 5%)

06/2015

Scholarship of Academic Excellence for Academic Year 2013 – 2014 (Rank: 01/65)

09/2014

Scholarship of Academic Excellence for Academic Year 2012 – 2013 (Rank: 03/65)

09/2013

Academic Experience

Teaching Assistant, *Advanced Mathematics Review Session* (ECUST)

08/2015 – 06/2016

- Tutored two 150-person classes in review session of Advanced Mathematics a period per week and helped students out with problems like definite and indefinite integral calculation, differential equations, analytic geometry, etc.
- Responsible for recording students' attendance, grading assignment, evaluating student regular performances, and giving instant feedback of students' learning status to course instructor

Researcher, *Laboratory of Applied Mathematics*(ECUST)

09/2014 – 06/2015

- Joined in computer-aided drug design program and focused on Qualitative and Quantitative Toxicity Predictions of Chemical Pesticides in HoneyBee to predict the pesticide toxin in honey bees by using mathematical models
 - Formed the research dataset by collecting the latest HB toxicity data from Environmental Protection Agency (EPA) of US, wrote iterative algorithms and developed scripts in Matlab to obtain the desirable results
 - Included research finding in graduation thesis, which was awarded Excellent Bachelor Graduation Thesis
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Professional Experience

Intern, *Project Team of Bank of Communications, Teradata* (Shanghai)

11/2014 – 03/2015

- Completed one-month training to learn the Teradata Structure Query Language(SQL) and the Teradata database architecture, joined the Project Team of Bank of Communications with excellent training evaluation
- amended codes of interconnecting tables using SQL and developed the scripts according to the requirements, which required in-depth knowledge of the bank's database, including 10 themes of the database architecture
- Attended department meetings and translated the presentation PPT and the whole article of Project Introduction

Intern, *Operation Department, Bank of Montreal* (Shanghai)

07/2014 – 09/2014

- Dealt with and recorded relevant information of shipping and financial documents like commercial invoice, bill of lading, insurance policy, beneficiary's statement, check, etc. for the foreign trade customer companies
 - Searched customers' bank statements information in bank database
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Extracurricular Experience

Student Delegate, *Student Union of ECUST*

09/2011 – 06/2013

- Collected students' opinions, attended meetings in the student committee and wrote final reports, ensuring effective communication between students and school authority to improve students' campus life and academic environment
 - Presented and implemented schemes like university umbrella renting system, low electricity warning bulletins, etc.
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Computer Skills

- Language: Python, Structure Query Language, Java
- Softwares: Matlab, SPSS, Orange