

Xizhi Su

Address	10 Lower Kent Ridge Rd, Singapore. 119076	Address (current)	10 Lower Kent Ridge Rd, Singapore. 119076
E-mail	suxizhi@u.nus.edu	Nationality	China
		Gender	Female

Education

2017 -	National University of Singapore, Department of Mathematics PhD Candidate (Passed PhD Qualifying Exam)
2015 – 2016	Cambridge University, Department of Pure Mathematics and Mathematical Statistics MASt of Pure Mathematics
2011 - 2015	University of California at Davis, Department of Mathematics, USA B.S. with Honors GPA (Overall/Major) 3.66 / 3.87 Units completed 265 (Degree requirement 180)
2008 - 2011	Zhejiang Xuejun High School, Hangzhou, China Secondary Degree

Professional & Research experiences

Analyst May – Sept 2018 Singapore	Hai Smart Alpha Inc. Analyze for corporate and government bonds in Asia, both investment grade and high yield. Develop equity trading strategies using machine learning. Structured product design.
Financial lab researcher Feb. 7 – Shanghai Full-time	Yaspeed Inc. Develop a risk assessment system, based mathematical modeling and high performance computing. Estimate default rate for firms of medium or small size. Compute value at risk for loans, individual credit rating, bond pricing, credit derivatives pricing.
Masters Essay Nov 2015 – April 2016	A Study of Efficient Assignment Algorithm for Platform-wide Optimisation Topic suggested by Prof. Frank Kelly.
Senior Project Feb– June 2015	Department of Mathematics, University of California at Davis Advisor: Dr. Kevin Luli Smooth extension.
Intern Hangzhou July – Sept 2013	Societe Generale Group Full time intern in corporate sector for credit loans. Analyzed coal industry. Main tools are Office Excel.
Tutor Jan 2012 - Mar 2014	UC Davis Math Club Tutored Calculus, Vector Calculus, and Linear Algebra to undergraduate students. Explained general concepts, answered homework question.
REU Researcher June - July 13	Department of Mathematics, University of California at Davis Advisor: Prof. A. Soshnikov Prove theorem in Random Matrices theory. Wigner's semicircle law
Research Assistant Mar - July 12	Department of Anthropology, University of California at Davis Advisor: Prof. Zhang Li Transcribing and organizing interview recordings. Topics on emergent psychotherapy and psychological counseling movement in Chinese Society.

Tutor

2018-2019/Sem1 Tutor	MA4269: Mathematical finance II
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2018-2019/Sem2
Tutor

MA1312: Calculus with Applications

Workshops and summer schools

Summer school in Applied Mathematics

July – Aug 2016
Beijing

Three weeks courses in SPDE and dynamic programming.
Peking University

Financial Math Workshop

June – July 2016
Edmonton

PIMS Summer School in Mathematical Finance
Sixth IMS-FIPS Workshop at University of Alberta, Edmonton, Canada

J.P Morgan Workshop

Feb 2016
London

Machine Learning Workshop at J.P Morgan

LSE Summer School

June 2014 – Aug 2014
(7 weeks)

London School of Economics, London, UK

Courses in Management Accounting and International relations.

Activities

Journalist

Sept – Dec 2013

Online Magazine Flo’N The Go

Wrote online reports on student life, including travelling and stage arts.

Accreditation

Dec 2013

Rome Film Festival, Rome, Italy

Participated in symposium. Applied film-analyzing techniques from Italian Cinema class. Observed the film industry from a professional perspective. Noticed the evolution of film industry and recent trends.

Vice President

Sept 2011 - Mar 2013

CalPIRG

Bing awareness to energy crises, speak for consumers and small-scale organizations. Spoke against large manufacture chains. Make video clips, fundraising.

Member

Sept 2012 - Mar 2014

DEVO (Davis Enology & Viticulture Organization)

Participant

Apr 2014

Harvard China Forum, Harvard University

Annual conference in discussing social and economic problems in contemporary China. Focused on entrepreneurship, real estate market, migration trends and urban development.

Honors & Awards

Jan 18, 2017

Best team in International Youth Leadership Finance Summit. Competition and event organized by the **Shanghai Advance Institute of Finance (SAIF)**. Award: CFA scholarships plus money award.

Nov 6, 2016

Finalist team in Samsung VR Hachathon

Design and develop a visual realization application for interior design. Finalist in competition.

Aug 2015

Honors Degree

Fall 2013

Deans' Honor List, College of Agriculture and Environment Science

Spring 2013

Deans' Honor List, College of Letter and Science

Winter 2013

Deans' Honor List, College of Letter and Science

Fall 2012

Deans' Honor List, College of Letter and Science

Winter 2012

Deans' Honor List, College of Letter and Science

Fall 2011

Deans' Honor List, College of Letter and Science

Skills

Language	English (Fluent), Mandarin Chinese (Native), Italian
IT	Python, SQL, Sage