Contact Information

Name: Jingtao Zheng

Phone: +65 - 9668 9356

Email: Jingtao.Zheng@ChicagoBooth.edu

Address: 5807 S Woodlawn Ave, Chicago, IL 60637, USA

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5807 S Woodlawn Ave, Chicago, IL 60637, United States
+65-65055169 • Jingtao.Zheng@ChicagoBooth.com

Education

- **The University of Chicago Booth School of Business** **Chicago, IL**
  Ph.D. in Finance/Joint Program in Financial Economics. GPA: 4.0 *2015 - Present*
  Coursework: Economics Core, Finance Core, Asset Pricing Field, Macro Field
  Research Interest: Asset Pricing, Machine Learning, Macro-Finance, Big Data Econometrics, FinTech
- **Tsinghua University** **Beijing, China**
  Ph.D. Study in Finance, School of Economics and Management. GPA 94.7, RANK 1/15 *2013 – 2015*
  B.E. Automation, B.A. Economics. GPA 92.7, RANK 1/149 *2009 – 2013*
- **Stanford University** **Palo Alto, CA**
  Undergraduate Visiting Research, Department of Electrical Engineering *June 2012-Sep. 2012*

Working Experience

- **Modular Asset Management (Singapore) Pte. Ltd.** **Singapore**
  Lead Quant *2020*
- **Millennium Capital Management (Singapore) Pte. Ltd.** **Singapore**
  Lead Quant in Jupiter Team *2017 - 2019*
- **The University of Chicago Booth School of Business** **Chicago, IL**
  Tutor for Booth PhD Math Summer Camp *Sep. 2016*
- **The People's Bank of China** **Beijing, China**
  Credit Reference Center, Summer Internship *Summer 2013*

Research

- *Blockchain Disruption and Smart Contracts* (*RA for Prof. Will Cong and Prof. Zhiguo He*) *July 2016 - July 2017*
  - Modeled the fundamental tension between decentralized consensus and distributed information
  - Analyzed the economic implications of blockchains and smart contracts on industrial organization
- *Tail Risk in Corporate Bond Markets* (*with Mihir Gandhi*) *March 2017 - June 2017*
  - Proposed cross-sectional estimator for return/illiquidity tail risk in corporate bond market
  - Analyzed time-series and cross-sectional predictability of tail risk measures on returns
- *The Effect of Learning from Terrorism on Stock Prices* (*with Gursharan Bhue and Mihir Gandhi*) *March 2017 - April 2017*
  - Documented stock price responsiveness to terrorist attacks using international data
  - Built a continuous-time learning model with regime-switching to rationalize the muted response
- *Performance of Different Investors in China's Stock Market* *Feb. 2013-June 2013*
  - Used IRR and Modified IRR to estimate returns to institutional investors and individuals
  - Distinction in Undergraduate Diploma Project
- *Higher Order Estimation of Directed Information* *June 2012-Sep. 2012*
  - Applied 2nd-order Universal Sequential Probability assignment induced by Context-Tree Weighting Method
  - Selected to work with Stanford faculty for 10 weeks, funded by Stanford School of Engineering

Awards

- Bradley Fellowship *2016*
- CRSP Summer Paper Prize *2016*
- Chicago Booth Doctoral Fellowship *2015-Present*
- National Scholarship for Graduate Students, China (top 2%) *2014*
- Tsinghua Graduate Fellowship, China (top 2%) *2013*
- Outstanding Student Leadership in Tsinghua University, China (top 1%) *2011*
- National Scholarship for Undergraduate Students, China (top 2%) *2010*
- First Prize in National Olympiad in Informatics (2006), Math (2007,2008), Collegiate Physics (2010)

Skills

Computer: Python, R, Matlab, Mathematica, C/C++, Stata, SAS, Bloomberg, Reuters
Language: Chinese (*Native*), English (*Fluent*)

My current research interest focuses on asset pricing. Recently, there is emergence of research interest in applying machine learning tools both to academia and industry. I am interested in understanding and developing such tools, and apply them in economics and finance. Despite the revolutionary development of natural language processing (NLP) in computer science community, its use in financial economics is still limited in methodology, mostly relying bag-of-words and dictionary-based approach. In one of my current ongoing projects, I am trying to introduce deep-learning based NLP model (e.g. Bidirectional Encoder Representations from Transformers, i.e. BERT) into the literature, illustrating the potential use of more advanced tool. Beyond the interest of its asset pricing implications, I am also keen to understand the broader impact of machine learning and artificial intelligence, including its impact on market efficiency, labor market and wealth distribution.

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The University of Chicago

Booth School of Business