Mao Ye

PERSONAL INFORMATION

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Citizenship: China, U.S. Permanent Resident

EDUCATIONAL BACKGROUND

January 2011	Cornell University Ph.D., Economics
August 2004	University of British Columbia M.A., Economics
July 2002	Renmin University, China M.A., Finance
July 1999	Southeast University, China B.A., Accounting

POSITIONS HELD

2022-	Associate Professor of Finance Johnson Graduate School of Management, Cornell University
2018-	Associate Professor of Finance University of Illinois at Urbana-Champaign
	James F. Towey Faculty Fellow College of Business, University of Illinois at Urbana-Champaign
	R.C Evans Data Analytics Fellow The University of Illinois-Deloitte Foundation Center for Business Analytics
2023 -	Fellow, Columbia University Program in the Law and Economics of Capital Markets
2021 - 2022	External research fellow, Fintech at Cornell
2021	Editor, Special Issue on Big Data in Finance, *Review of Financial Studies*
2018- 2022	Associate Editor: *Management Science*

2019- 2020	Visiting Fellow, Harvard Data Science Initiative, Harvard University
2018-2019	Fellow, National Center for Supercomputing Applications
2011- 2018	Assistant Professor of Finance University of Illinois at Urbana-Champaign
2019	Research Associate National Bureau of Economic Research (NBER)
2017- 2018	Faculty Research Fellow, NBER
2013	Beckman Fellow Center for Advanced Study, University of Illinois at Urbana-Champaign (Reduced teaching load for the 2013-2014 academic year)

RESEARCH INTERESTS

Market Microstructure, Big Data, Fintech

PUBLICATIONS

1. The Next Chapter of Big Data in Finance, with Itay Goldstein and Chester Spatt, *Review of Financial Studies,* forthcoming
2. Price Ceiling, Market Structure, and Payout Policies, with Xiongshi Li and Miles Zheng, *Journal of Financial Economics,* 2024, 155, 103818
   - Featured by NBER Digest
3. Refusing the Best Price?, with Sida Li and Miles Zheng, *Journal of Financial Economics*, 2023, 147(2), 317-337
4. The Effect of Tick Size on Managerial Learning from Stock Prices, with Miles Zheng and Wei Zhu, *Journal of Accounting and Economics*, 2023, 75(1), 101515
5. Big Data in Finance, with Itay Goldstein and Chester Spatt, *Review of Financial Studies,* 2021, 34 (7), 3213 – 3225
6. Who provides liquidity, and when? With Sida Li and Xin Wang, *Journal of Financial Economics,* 2021, 141(3), 968 – 980
7. Sparse Signals in the Cross-section of Returns, with Alex Chinco and Adam Clark-Joseph, *Journal of Finance,* 2019, 74(1), 449 – 492
8. Why Discrete Price Fragments U.S. Stock Exchanges and Disperses Their Fee Structures? with Yong Chao and Chen Yao, *Review of Financial Studies*, 2019, 32(3), 1068-1101
   - Solicited by *Review of Financial Studies*

9. Why Trading Speed Matters: A Tale of Queue Rationing under Price Controls, with Chen Yao, *Review of Financial Studies* 2018, 31(6), 2157–2183
10. Designated Market Makers Still Matter: Evidence from Two Natural Experiments, with Adam Clark-Joseph and Chao Zi, *Journal of Financial Economics*, 2017, 126(3), 652–667
11. Discrete Pricing and Market Fragmentation: a Tale of Two-Sided Markets, with Yong Chao and Chen Yao, *American Economic Review: Papers and Proceedings*, 2017, 107(5) 196–199
12. What is Not There: The Odd-lot Bias of TAQ Data, with Maureen O'Hara and Chen Yao, *Journal of Finance*, 2014, 69(5), 2199–2236
    - Media coverage in Washington Post, Bloomberg News (three times), Businessweek, and Trader's Magazine
    - Lead to the policy change in trade report requirement in the United States starting from December 9, 2013
13. Is Market Fragmentation Harming Market Quality? With Maureen O'Hara, *Journal of Financial Economics*, 2011, 100(3), 459–474. Lead article.

WORKING PAPERS

1. Discrete Prices, Discrete Quantities, and the Optimal Price of a Stock, with Sida Li
    - Revise and Resubmit *Journal of Finance*
    - Presented at AFA 2023
2. Information Diffusion on Social Media: Does It Affect Trading, Return, and Liquidity?, with Nitesh Chawla, Zhi Da, and Jian Xu
    - Revise and Resubmit *Management Science*
3. Strategic Informed Trading and Dark Pool. With Wei Zhu
    - Revise and Resubmit *Journal of Financial Markets*
4. When A Market Is Not Legally Defined as A Market: Evidence From Two Types of Dark Trading, with Yunus Topbas
    - Presented at AFA 2024
5. Value versus Values: Can Stock Liquidity Save the Planet? With Zhenkai Ran
6. Investment-Horizon Spillovers, with Alex Chinco

WORK IN PROGRESS

1. Big Data in Finance, a survey paper prepared for [Foundations and Trends in Finance Series]() edited by Sheridan Titman, Josef Zechner, and Chester Spatt
2. Market structure and share buybacks: Global Evidence, With Feng Zhang and Jason Zou
3. Passive trading and market liquidity, With Fred Sun

TEACHING EXPERIENCE

Cornell
NRE 5020: PhD Seminar – Market Microstructure
NCCB 5060: Managerial Finance for EMBA students
NBA 6560: Valuation for MBA students
University of Illinois at Urbana-Champaign
FIN 580: Fintech and Big Data
FIN 511: Portfolio Management for Professional MBA
- Winner of the Professional MBA Teaching Excellence Award
- List of Teachers Ranked as Outstanding

FIN 411: Portfolio Management for Undergraduates
- List of Teachers Ranked as Outstanding

WORK EXPERIENCE

2006-2008 Trustee, Board of Trustees, Cornell University
2006-2008 Columnist, Cornell Daily Sun

EXTERNAL RESEARCH GRANT AND FELLOWSHIP

- National Science Foundation grant 2024 – 2026: $3,065,935, joint with Wenxi Du, Alp Simsek, and Chester Spatt
- National Science Foundation grant 2018 - 2024: $422,288, Principal Investigator, joint with Alex Chinco and Adam Clark-Joseph
- National Science Foundation grant 2018 - 2024: $407,585, joint with John Towns from the National Center for Supercomputing Applications and National Science Foundation's XSEDE (Extreme Science and Engineering Discovery Environment) program
- National Science Foundation grant 2013-2017: $255,851, Principal Investigator, joint with Robert Sinkovits at San Diego Supercomputing Center
- NASDAQ OMX Education Foundation, 2009-2010, $15,000 for "Price Discovery and Liquidity in a Fragmented Stock Market."

SERVICES

Conference Organizers
- Program Committee, Econometric Society - North American Winter Meetings 2022
- Associate Program Chair, WFA 2020, 2021, 2022, and 2023
- Tracking chair, EFA
- New York Fed Research Conference on FinTech, 2020

- 2019 - present NBER/RFS Winter Big Data Conference, joint with Itay Goldstein and Chest Spatt
  - The 2019 winter conference has published a special issue on the *Review of Financial Studies (RFS)*
  - We are going to publish another RFS special issue in 2024
- 2018 - present NBER Summer Big Data Conference, joint with Toni Whited
- 2017 NBER conference on Competition and the Industrial Organization of Securities Markets, joint with Tarun Chordia and Gideon Saar

Ad-hoc Referee: *American Economic Review, Quarterly Journal of Economics*, *Journal of Finance*, *Journal of Financial Economics, Review of Financial Studies*, *Journal of Financial and Quantitative Analysis*, *Management Science*, *Journal of Financial Markets*, *Review of Finance*, *Journal of Financial Intermediation*, *Journal of Empirical Finance*, *Quantitative Finance, National Science Foundation (NSF)*

Session Chair for American Finance Association Annual Meeting 2017 and 2022

Ph.D. Dissertation Chair or Co-Chair

Chen Yao (Initial Placement: University of Warwick, Tenured at Chinese University of Hong Kong)
Xin Wang (Initial Placement: Nanyang Technological University)
Sida Li (Initial Placement: Brandies University)
Miles Zheng (Initial placement: Texas Christian University)
Fred Sun (Expects to graduate in 2026)
Jason Zou (Expects to graduate in 2027)

Ph.D. Dissertation Committee:

Dmitriy Muravyev (Initial Placement: Boston College, tenured at Michigan State University, now a tenured professor at the University of Illinois, Urbana-Champaign)
Jaehoon Lee (Placed and tenured at the University of New South Wales)

SELECTED HONORS AND AWARDS

2024	Keynote speaker: The Next Chapter of Big Data in Finance, The Big Data Dinner at the NBER Summer Institute 2024
2019	University Commencement Speaker, Renmin University of China – Invited to deliver the commencement speech to 7,214 graduates and their families on behalf of all alumni
2018	Keynote lecturer: Big Data in Finance, NBER Summer Institute 2018
2018	Selected as one of the contributors for the book “Journeys: An American Story” • As the first Chinese to become a board member of all Ivy League Institutions
2015-2022	List of Teachers Ranked as Outstanding at the University of Illinois
2016	Educator of the Year, University of Illinois

2015	Professional MBA Teaching Excellence Award, University of Illinois
2013	HPC Wire Editor's Choice Award for best use of high-performance computing in financial services
2013	Beckman Fellow, Center for Advanced Studies, University of Illinois at Urbana-Champaign
2013	Domain Champion in Economics, National Science Foundation's XSEDE program
2013	Best Paper Award: Mid-Atlantic Research Conference in Finance
2005-2010	Sage Fellowship, Cornell University
2008	American Finance Association travel grant
2007	Speaker for 142nd New Student Convocation at Cornell University – Invited to deliver the welcome speech to 3,500 new students and their parents on behalf of all Cornell students

PAPER PRESENTATIONS AND DISCUSSIONS

2025	Carnegie Mellon University, Vienna Graduate School of Finance, University of Cincinnati, Stockholm Business School, University of New South Wales
2024	Stanford Graduate School of Business, AFA, SFS Cavalcade, Nanyang Technological University (NTU) finance conference, Iowa State University, Chinese University of Hong Kong (Shen Zhen), Hong Kong University of Science and Technology (Guangzhou), Nanjing University
2023	Dartmouth College (Tuck), Indiana University, Syracuse University, SUNY Buffalo, Lehigh University, Beijing University, Renmin University of China, George Mason University, University of Hong Kong, SEC, WFA, INFORMS Annual Meeting, The Review of Asset Pricing Studies (RAPS) and the Chinese University of Hong Kong (CUHK) conference
2022	University of Michigan, Oklahoma State University, Fudan University
2021	AFA, Citadel Securities, Two Sigma Investment, Cornell University, Penn State University, Nanjing University, University of Maryland
2020	Harvard Business School, INSEAD, Rice University, University of Maryland, Louisiana State University, New York Stock Exchange
2019	Harvard Business School, George Washington University, University of British Columbia, University of Hong Kong, Boston College, Rutgers University, University of Iowa, SFS Cavalcade, WFA, ITEM conference, Santiago Finance Workshop, Arrow Street Capital, New York Stock Exchange
2018	AFA, UCLA, SEC, Case West Reserve University, Emory University, Washington University at St Louis, Texas A&M, University of Florida, AQR, Bank of Canada, Telfer Annual Conference on Accounting and Finance
2017	University of Rochester, "Smokey" Mountain Finance Conference, Wabash River Conference, Office of Financial Research at U.S. Department of Treasury

2016	Utah Winter Finance Conference, Texas Finance Festival, NYU Stern Market Microstructure Conference, Carlson Junior Conference at the University of Minnesota
2015	Harvard Business School and Harvard Department of Economics, Utah Winter Finance Conference, Finance Research Association Annual Meeting, SFS Cavalcade, NYU Stern Market Microstructure Meeting, Washington University at St. Louis, FIRS, HEC Lausanne, EPFL, University of Illinois (Economics), University of Notre Dame, Conference on Current Topics in Financial Regulation
2014	AFA, Midway Market Design Workshop at Chicago Booth, University of Notre Dame, HEC Paris, City University of New York, Baruch College, Paris Hedge Fund Conference, University of Illinois, FMA, JP Morgan, IEX Stock Exchange, Office of Financial Research at U.S. Department of Treasury, Conference on Market Fragmentation, Fragility and Fees at University of Maryland and FINRA
2013	AFA, NBER, SEC, CFTC/American University, Michigan State University Conference on Investments and Financial Institutions, University of Illinois, FIRS, CICF, FMA, Mid-Atlantic Research Conference in Finance
2012	AFA, NBER, SFS Cavalcade, University of Toronto, University of Memphis, Annual Central Bank Workshop on Market Microstructure, EFA, FMA
2011	WFA, NBER, Vienna Graduate School of Finance, Syracuse University, Goldman Sachs, NASDAQ, and State University of New York at Buffalo
2010	University of Illinois, University of Utah, Southern Methodist University, and Barclays Capital
2009	Cornell University Johnson School of Management