

Brian Zi Qi Zhu · Curriculum Vitæ

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EDUCATION	Columbia University <i>Ph.D. (Candidate) Operations Research</i> <i>M.S. Operations Research</i>	New York, NY 2027 (expected) 2023
	Yale University <i>B.A. Economics and Mathematics, summa cum laude</i>	New Haven, CT 2022
PROFESSIONAL EXPERIENCE	Uniswap Labs <i>Protocol Research Intern</i>	New York, NY June – Dec 2024, July 2025 – Jan. 2026
	Pantera Capital <i>Research Fellow</i>	San Francisco, CA March – May 2024
	Federal Reserve Board of Governors <i>Economic Research Intern</i>	Washington, DC June – Aug 2021
CONFERENCE PROCEEDINGS	Auctioning Time to Mitigate Latency Races: Theory and Evidence from Blockchains (with A. Capponi) <i>Economics and Computation 2026 (Accepted)</i> , Working Paper Selected presentations (* denotes by co-author): London Mathematical Finance Seminar*, Durham University QRFE Workshop, China International Conference in Finance 2026, Economics and Computation 2026, WBS Gillmore Centre Conference 2026 (upcoming)	
	Uniform-Loss Automated Market Making for Prediction Markets (with C. Moallemi and D. Robinson) <i>Advances in Financial Technologies 2026 (Accepted)</i> , Working Paper	
	Quantifying the Value of Revert Protection (with B. Bachu, C. Moallemi, D. Robinson, and X. Wan) <i>Financial Cryptography and Data Security 2025</i>	
	What Drives Liquidity on Decentralized Exchanges? Evidence from the Uniswap Protocol (with B. Bachu, G. Liao, D. Liu, C. Moallemi, and X. Wan) <i>Cryptoasset Analytics Workshop 2025</i>	
WORKING PAPERS	Semantic Trading: Agentic AI for Clustering and Relationship Discovery in Prediction Markets (with A. Capponi and A. Gliozzo) Working Paper	
	Privacy-Enhanced Payment Systems (with A. Capponi and M. Lee) Working Paper Selected presentations (* denotes by co-author): Bank of Canada*, Swiss National Bank*, GSU AI and FinTech Conference 2026*, European Financial Association 2025, INFORMS 2025	
	The Paradox of Just-in-Time Liquidity in Decentralized Exchanges (with A. Capponi and R. Jia) Under Review at <i>Management Science</i> Selected presentations (* denotes by co-author): U. Chicago Stevanovich Center Conference 2024*, China International Conference in Finance 2024, INFORMS 2025, Inter-Finance PhD Seminar	
	From Pools to Books: A Microstructure Mapping of DeFi Liquidity (with A. Capponi) Under Revision at <i>Operations Research</i> Selected presentations (* denotes by co-author): Bloomberg Quant Seminar*	

OTHER PUBLICATIONS	Tokenizing Real-World Assets: What Changes, What Does Not, and Where Policy Stands (with A. Capponi) <i>Global Risk Institute</i> , Report (2026)	
	Unsupervised machine learning reveals slab hydration variations from deep earthquake distributions beneath the northwest Pacific (with G. Mao, T. Ferrand, J. Li, Z. Xi, and M. Chen) <i>Communications Earth & Environment</i> , Volume 3, Article 56 (2022)	
DISCUSSIONS	Durham University QRFE Workshop, Asian Blockchain and Crypto Conference 2026	
SERVICE	Journal: Finance and Stochastics	
	Conference: Cryptoasset Analytics Workshop, Designing DeFi, Advances in Financial Technology	
TEACHING	Monte Carlo Simulation (MSFE)	Spring 2026
	Applied Financial Risk Management (MSFE)	Fall 2025
	Continuous-Time Models (MSFE)	Spring 2024, Spring 2025
	Foundations of Financial Engineering (MSFE)	Fall 2024
AWARDS AND HONORS	Ripple Fellowship	2023, 2026
	Runner-Up, INFORMS Finance Section Student Paper Competition	2025
	Finalist, Two Sigma Fellowship	2025
	Pantera Fellowship	2024
	Ellington Prize <i>Awarded to the best senior essay in financial economics at Yale University.</i>	2022
	Phi Beta Kappa	2022
PERSONAL	Citizenship: United States of America	
	Languages: English, Chinese (Mandarin)	