

XINYI ZHAO

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EDUCATION

New York University, Leonard N. Stern School of Business

Aug. 2017 – May 2022

Ph.D. Candidate in Operations Management

GPA: 3.9/4.0, Department of Technology, Operations and Statistics.

Tsinghua University, School of Economics and Management

Sep. 2013 – Jun. 2017

Bachelor in Information Systems and Management

GPA: 94/100 (Top 1), Department of Management Science and Engineering.

PUBLICATIONS AND PAPERS

“Fulfilled by Amazon”: A Strategic Perspective of Competition at the E-commerce Platform, with Guoming Lai, Huihui Liu, and Wenqiang Xiao.

- Forthcoming at *Manufacturing and Service Operations Management*.

Matching Enhancement and Information Revelation Effects of AI on Gig-Economy Platforms, with Yi Liu, Bowen Lou, and Xinxin Li.

- Major Revision at *Management Science*.
- Accepted at *CIST 2021 and WISE 2021 Conference*.

Estimating Large-Scale Tree Logit Models via Variable Change to Difference of Strictly Convex Functions, with Srikanth Jagabathula, Paat Rusmevichientong and Ashwin Venkataraman

- Major Revision at *Operations Research*.

Strategic Financing and Information Revelation Amid Market Competition, with Guoming Lai and Wenqiang Xiao.

- Reject and Resubmit at *Management Science*.

Exploring Key Hackers and Cybersecurity Threats in Chinese Hacker Communities, with Zhen Fang, Qiang Wei, Guoqing Chen, Yong Zhang, Chunxiao Xing, Weifeng Li and Hsinchun Chen.

- Published at *2016 IEEE Conference on Intelligence and Security Informatics (ISI)*.

AREA INTERESTS

Topic Interest

- Online platform incentives
- Supply chain finance
- Operations and cross-discipline interface
- Structural data analytics

Methodology Interest

- Analytic modeling
- Econometrics analysis
- Machine learning
- Mechanism design and game theory

PRESENTATIONS

INFORMS Annual Meeting, Seattle, WA	<i>Oct. 2019</i>
NYU Operations Management Seminar Series, New York, NY	<i>Sep. 2019</i>
MSOM Annual Conference, Singapore	<i>Jul. 2019</i>
POMS Annual Conference, Washington, DC	<i>May. 2019</i>
Tsinghua University Annual Spark Talk, Beijing, China	<i>May. 2017</i>
Stanford Undergraduate Visiting Research Seminar Series, Palo Alto, CA	<i>Aug. 2016</i>

TEACHING EXPERIENCE

Instructor: Operations Management (Undergraduate Core)	<i>Summer 2021</i>
New York University, OPMG-UB.1001 (16 enrolled)	
<ul style="list-style-type: none">• Brought both classical quantitative operation models and cutting-edge practitioner cases to the audience, by making them intuitive and accessible.• Received all 5-star (5.0/5.0) teaching evaluation rating from students in my class.	
Teaching Assistant: Operations Management (MBA Core)	<i>Spring 2020</i>
New York University, COR1-GB.2314 W1 (49 enrolled) & W2 (16 enrolled)	

SERVICE AND PROFESSIONAL EXPERIENCE

Research Intern: IBM Supply Chain Blockchain	<i>May 2020 – Aug. 2020</i>
<ul style="list-style-type: none">• Developed several models to study how blockchain visibility improves the coordination between online fulfillment and inventory management in a perishable supply chain, with 20% profit improvement in simulation.• Implemented the multi-echelon inventory model and mixed integer programming in Python Cplex.	
Session Chair: POMS Annual Conference	<i>May. 2019</i>
Coordinator: NYU Stern MOILS Seminar Series	<i>2019 – 2020</i>

SELECTED HONORS AND AWARDS

NYU Stern Ph.D. Student Fellowship	<i>2017-2022</i>
National Scholarship of China (<0.1%)	<i>2014-2016</i>
Integrated Excellence Scholarship of Tsinghua University (0.2%)	<i>2016</i>
Tang Zhongying Scholarship (1%)	<i>2014-2016</i>
Fellowship of Stanford Undergraduate Visiting Research Program (18 in China)	<i>2016</i>
Zheng Weimin Scholarship (highest level, 0.3%)	<i>2015</i>
Tsinghua Alumni 1993 Scholarship (0.3%)	<i>2015</i>
- <i>The top 10 outstanding students of Tsinghua University in 2014</i>	

Fellowship of Spark Innovative Talent Academic Project (1.5%)	2015
Top 1 in the Aerobics Match in Tsinghua University	2014
Top 4 Women Triathlon Athlete in Tsinghua University	2014

RELEVANT COURSEWORK

OR/OM

- Dynamic Programming, Convex Optimization, Stochastic Processes, Linear Programming, Real Analysis, Supply Chain Finance, Stochastic Inventory Theory, Planning and Scheduling.

Economics

- Microeconomics: Theory and Application, Econometrics, Game Theory, Industrial Organization, Advanced Empirical Methods, Digital Economic Doctoral Seminar.

Machine Learning and Data Analytics

- Foundations of Machine Learning, Machine Learning to Decision-making, Data Science Research, Algorithms and Data Structures, Database Management, Computer Architecture, Data Mining.

LEADERSHIP AND TALENT

Drama Performance

- Vice President of Tsinghua Drama Troupe. Excellent reciter of Tsinghua Memorial Singing Contest, host in 10 grand events including the National Instrumental Music Contest.
- Heroine of Tsinghua University Official Enrollment Propaganda Film, viewed by more than one million people on the premiere day. Heroine of drama *God's Favorite One*, core staff of play *Redemption* and gave 3 performances.

Volunteering Activities

- Half-month aid education in Beijing and Shanxi in China.
- Organized 384 undergraduates' summer and winter activities, contributed to getting top awards in Tsinghua Practice, and initiated the Weekend Student Practice for Tsinghua University.
- Outstanding Volunteer in the 30th Anniversary of School of Economics and Management.

REFERENCE

Wenqiang Xiao

Associate Professor in New York University

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Guoming Lai

Professor in University of Texas at Austin

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