

XIAOYUE YAN

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EDUCATION

Cornell University

Ph.D. Candidate in Operations, Technology & Information Management
Samuel Curtis Johnson Graduate School of Management
Cornell SC Johnson College of Business & Cornell Tech

Ithaca & New York, NY
2024 (expected)

Shanghai University of Finance & Economics

B.S. in Information Management & Information System; Rank: 1/112
B.A. in Business English (Minor)

Shanghai, China
2018

RESEARCH INTERESTS

Data-driven Decision-making, Data-driven Analytics, Machine Learning, Statistical Learning, Algorithmic Fairness.

RESEARCH PAPERS

Publication

1. Yan, X., L. Chen, X. Ding. 2024. “Optimal Cash Management with Payables Finance.” *Operations Research*. Accepted. [download]
2. Wang, T., X. Yan, C. Yang. 2021, Managing a Hybrid RDC-DC Inventory System. *Production and Operations Management*, 30: 3679-3697. [download]

Working Papers

3. “Variability Propagation in Perishable Product Supply Chains.” *In preparation for resubmission to Management Science*. with Elena Belavina. [download]
4. “Data-driven Decisions in Supply Chains: Contracts, Algorithms and Efficiency.” with Elena Belavina and Karan Girotra.
5. “Platform Competition with Two-Sided Multihoming: Network Value and Payment Structure.” with Li Chen. *Preparing manuscript*.

Work in Progress

6. “Unraveling Fairness in Data-driven Supply Chains.” with Elena Belavina and Karan Girotra.
7. “Dynamic Analysis of the Bullwhip Effect in Data-driven Supply Chains.” with Elena Belavina and Karan Girotra.

HONORS & AWARDS

Best Dissertation Competition First Place, Supply Chain Analytics Institute Annual Conference	2024
Bartholomew Family Charitable Fund PhD Student Scholarship, Cornell University	2021
Byron E. Grote Johnson Professional Scholarship, Cornell University	2019
Graduate School Fellowship, Cornell University	2018
Yinyu Ye Scholarship, Shanghai University of Finance & Economics	2018
Shanghai Outstanding Graduates Award, Shanghai University of Finance & Economics	2018
National Scholarship (Top 1%), Shanghai University of Finance & Economics	2017

TEACHING

Co-instructor	Cornell Tech
◇ Review sessions for Managing Operations (MBA), 4.86 (1-5 Scale)	Fall 2021
◇ Guest lecture for Foundations of Operations Management II (PhD)	Spring 2022
Teaching Assistant	Cornell University & Cornell Tech
◇ Managing Operations (Cornell-Tsinghua MBA Core)	Summer 2024, Spring 2023, Spring 2022
◇ Managing Operations (EMBA)	Spring 2024
◇ Operations Management (MBA)	Spring 2024, Fall 2021, Spring 2020
◇ Supply Chain Analytics (Online MSBA Elective)	Spring 2023
◇ Leading Digital Transformation and Innovation (EMBA)	Fall 2022
◇ Supply Chain Strategy (MBA)	Fall 2021
◇ Quantitative Analysis (Undergraduate)	Spring 2020

SELECTED INVITED TALKS

“Data-driven Decisions in Supply Chains: Contracts, Algorithms and Efficiency”	
◇ MSOM 2023, Montreal, Canada	Jun 2023
“Optimal Cash Management with Payables Finance”	
◇ 2021 INFORMS Annual Meeting, Anaheim, CA	Oct 2021
◇ MSOM 2021 (Virtual)	Jun 2021
◇ Supply Chain Finance & Risk Management Workshop (Virtual)	May 2021
“Variability Propagation in the Perishable Product Supply Chains”	
◇ MSOM 2021 (Virtual)	Jun 2021
◇ 2020 INFORMS Annual Meeting (Virtual)	Oct 2020
◇ OTIM PhD Forum, Johnson Graduate School of Management, Cornell University	Nov 2019
“Platform Competition with Two-Sided Multihoming: Network Value and Payment Structure”	
◇ 2022 INFORMS Annual Meeting, Indianapolis, IN	Oct 2022
◇ OTIM PhD Forum, Johnson Graduate School of Management, Cornell University	Dec 2020
“Managing a Hybrid RDC-DC Inventory System”	
◇ POMS 30th Annual Conference, Washington, DC	May 2019

SERVICE & MISCELLANEA

Professional Service	
◇ Session Co-chair, INFORMS Annual Meeting	2022, 2023
◇ Co-chair, OTIM PhD Forum, Cornell University	2020 - 2021

Skills

- ◇ **Programming:** Python, R, Matlab, STATA

◇ **Languages:** Chinese (native), English (fluent)

Running Events

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| ◇ Completed The Gorges Ithaca Half Marathon | Jun 2023 |
| ◇ Volunteered in Manhattan 10K Event | Feb 2023 |

Hobbies: Ukulele, Drawing, Hiking

REFERENCES

Prof. Elena Belavina

Operations, Technology & Information Management
SC Johnson College of Business & Cornell Tech
Cornell University
Email: belavina@cornell.edu

Prof. Li Chen

Operations, Technology & Information Management
SC Johnson College of Business
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Email: li.chen@cornell.edu

Prof. Karan Girotra

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