

XIAOYUE YAN

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EDUCATION

Cornell University Ithaca & New York, NY
Ph.D. Candidate in Operations, Technology & Information Management 2024 (expected)
Samuel Curtis Johnson Graduate School of Management
Cornell SC Johnson College of Business & Cornell Tech

Shanghai University of Finance & Economics Shanghai, China
B.S. in Information Management & Information System; Rank: 1/112 2018
B.A. in Business English (Minor)

RESEARCH INTERESTS

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

RESEARCH PAPERS

Published and In-Review Papers

- “Optimal Cash Management with Payables Finance.” with Li Chen and Xiaobo Ding.
- Minor Revision, *Operations Research*. [download]
- “Variability Propagation in Perishable Product Supply Chains.” *In preparation for resubmission to Management Science*. with Elena Belavina. [download]
- “Managing a Hybrid RDC-DC Inventory System.” with Tong Wang and Chaolin Yang. 2021.
- *Production and Operations Management* 30: 3679-3697. [download]

Working Papers

- “Data-driven Decisions in Supply Chains: Contracts, Algorithms and Efficiency.” with Elena Belavina and Karan Girotra. [15-Minute Talk Preview]
- Job Market Paper.
- “Unraveling Fairness in Data-driven Supply Chains.” with Elena Belavina and Karan Girotra.
- “Dynamic Analysis of the Bullwhip Effect in Data-driven Supply Chains.” with Elena Belavina and Karan Girotra.
- “Platform Competition with Two-Sided Multihoming: Network Value and Payment Structure.” with Li Chen. *Preparing manuscript*.

HONORS & AWARDS

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
◇ Supply Chain Analytics (Online MSBA Elective)	Spring 2023
◇ Leading Digital Transformation and Innovation (EMBA)	Fall 2022
◇ Managing Operations (Finance MBA Core)	Winter 2022, 2023
◇ Supply Chain Strategy (MBA)	Fall 2021
◇ Operations Management (MBA)	Fall 2021, Spring 2020
◇ 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

- ◇ 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 & The Nolan School
Cornell University
Email: belavina@cornell.edu

Prof. Li Chen

Operations, Technology & Information Management
SC Johnson College of Business
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Prof. Karan Girotra

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