

# XIAOYUE YAN

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## EDUCATION

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### Cornell University

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

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

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

## RESEARCH PAPERS

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### Publication

1. “Managing a Hybrid RDC-DC Inventory System.” with Tong Wang and Chaolin Yang. 2021. *Production and Operations Management*.

### Papers in Review and Working Papers

2. “Data-driven Decisions in Supply Chains: Contracts, Algorithms and Efficiency.” with Elena Belavina and Karan Girotra.
  - Job Market Paper.
3. “Optimal Cash Management with Payables Finance.” with Li Chen and Xiaobo Ding.
  - Under Review after Major Revision, *Operations Research*. [download]
4. “Variability Propagation in Perishable Product Supply Chains.” with Elena Belavina. *In preparation for resubmission to Management Science*. [download]
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

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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

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<b>Co-instructor</b>	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
<b>Teaching Assistant</b>	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

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“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

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<b>Professional Service</b>	
◇ 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

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### **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  
Cornell University  
Email: li.chen@cornell.edu

### **Prof. Karan Girotra**

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