YU NU

SC Johnson College of Business ⋄ Cornell Tech/Cornell University

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EDUCATION

Cornell Tech/Cornell University — New York, NY
Ph.D. in Operations, Technology & Information Management (GPA: 4.0+/4.0) — 2025 (expected)
Cornell SC Johnson College of Business

Wuhan University — Wuhan, China
B.S. in Management Science and Engineering (with highest honors) — 2015 - 2019

RESEARCH INTERESTS

Topic: Food Waste, Sustainability, AI and Operations, Digital Technology, Data-Driven Perishable Inventory Management
Methodology: Causal Inference, Machine Learning, Data-Driven Optimization, Experiments

RESEARCH PAPERS

Papers Under-Review and In-Progress

1. "Using Artificial Intelligence to Reduce Food Waste." with Elena Belavina and Karan Girotra, Major Revision at *Management Science.*

   - Finalist, 2024 INFORMS Technology, Innovation Management, and Entrepreneurship Section's (TIMES) Best Working Paper Competition.

2. "AI Co-Pilots for Data-driven Perishable Inventory Management." with Meng Qi, Elena Belavina and Karan Girotra, *In Preparation.*

3. "Identification of Behavioral Decision Models for Perishable Products Using Moment Inequalities." with Elena Belavina and Karan Girotra, *Work in Progress.*

Undergraduate Research

1. "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing." with Bin Dai, *Naval Research Logistics* 2020, 67(3): 201-222.

2. "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall." with Bin Dai and Jianbin Li, *European Journal of Operational Research* 2021, 290(1): 116-131.

HONORS & AWARDS

Climate Solutions Fund Award ($111,114), Atkinson Center for Sustainability	2024
Byron E. Grote Johnson Professional Scholarship, Cornell University	2020, 2022
Graduate School Fellowship, Cornell University	2019–2024
Wuhan Outstanding Graduates Award, Wuhan University	2019
National Scholarship (Top 1.8%), Wuhan University	2016–2018

TEACHING EXPERIENCE

Co-instructor — Cornell Tech

⋄ Review Session for NCCW 5080 Managing Operations (Healthcare EMBA), 4.80/5 — Fall 2022

⋄ Review Session for NCCY 5080 Operations Management (MBA), 4.85/5	Fall 2021
Teaching Assistant	Cornell Tech
⋄ NCCY 5080 Operations Management (MBA), 4.82/5	Fall 2022
⋄ NCCE 5080 Managing Operations (EMBA), 4.60/5	Spring 2022
⋄ NCCE 5080 Managing Operations (EMBA)	Spring 2021
⋄ NCCY 5080 Operations Management (MBA)	Fall 2020

SELECTED INVITED TALKS

"AI Co-Pilots for Data-driven Perishable Inventory Management"

⋄ INFORMS MSOM Conference, Minneapolis, MN	Jun 2024
⋄ INFORMS Annual Meeting, Indianapolis, IN	Oct 2022

"Using Artificial Intelligence to Reduce Food Waste"

⋄ INFORMS Annual Meeting, Seattle, WA (*scheduled*)	Oct 2024
⋄ First OM Workshop on Food Waste Reduction, Munich, Germany (*scheduled*)	Sep 2024
⋄ INFORMS Annual Meeting, Phoenix, AZ	Oct 2023
⋄ INFORMS MSOM Conference, Montreal, QC, Canada	Jun 2023
⋄ Early-Career Sustainable OM Workshop, Amherst, MA	Feb 2023
⋄ CHR Board Annual Meeting, New York, NY	Nov 2022
⋄ Johnson OTIM PhD Forum, Ithaca, NY	Dec 2021
⋄ INFORMS Annual Meeting, Anaheim, CA	Oct 2021

"Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing"

⋄ POMS-HK International Conference, Hong Kong	Jan 2018, 2019

"Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall"

⋄ International Workshop on Behavioral Operations Management, Guangzhou	Dec 2018

SERVICE

⋄ Session Co-chair, INFORMS Annual Meeting	2024
⋄ Reviewer for INFORMS BOM Best Working Paper Competition	2024
⋄ Program Committee Member for INFORMS Data Science Workshop	2024
⋄ Co-chair, Johnson OTIM PhD Forum, Cornell University	2021–2022

SELECTED COURSEWORK

Cornell ORIE/CS/Cornell Tech: Mathematical Programming, Applied Stochastic Processes, Theory of Causal Inference & Decision-Making, Data-Driven Optimization, Machine Learning & Data Science
Cornell ECON: Econometrics I & II, Semi/Nonparametric Economics, Microeconomic Theory

SKILLS

⋄ **Programming**: Python, R, Matlab, SQL, LaTeX, Lyx

- ◇ **Language**: Mandarin (native), English (fluent)
- ◇ **Music**: Violin (Member of Jiangsu Musicians Association, China)

REFERENCES

Prof. Karan Girotra
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Prof. Elena Belavina
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Prof. Meng Qi
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