YU NU

SC Johnson College of Business & Cornell Tech/Cornell University 2 West Loop Road, New York, NY 10044

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292@cornell.edu \Leftrightarrow Webpage: https://yunu.me

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.
 - 2024 Climate Solutions Fund's Award Recipient.
- 2. "AI Co-Pilots for Data-driven Perishable Inventory Management." with Meng Qi, Elena Belavina and Karan Girotra, *Draft Available Upon Request*.
- 3. "An Experimental Study on Integrating Algorithmic Prescriptions with Human Operators' Workflows in Commercial Kitchens." with Meng Qi, 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

 Tutorial Sessions for NCCW 5080 Managing Operations (Healthcare EMBA), 4.80/5 Tutorial Sessions for NCCY 5080 Operations Management (MBA), 4.82/5 Fall 21 Teaching Assistant NBAY 6760 Decision Models (MBA) NCCE 5080 Managing Operations (EMBA), 4.60/5 NCCE 5080 Managing Operations (EMBA) NCCY 5080 Operations Management (MBA) Spring 22 NCCY 5080 Operations Management (MBA) SELECTED INVITED TALKS "Using Artificial Intelligence to Reduce Food Waste" INFORMS Annual Meeting, Seattle, WA Wharton Empirical Operations Management Workshop, Philadelphia, PA First OM Workshop on Food Waste Reduction, Munich, Germany First OM Workshop on Food Waste Reduction, Munich, Germany INFORMS Annual Meeting, Phoenix, AZ INFORMS MSOM Conference, Montreal, QC, Canada Early-Career Sustainable OM Workshop, Amherst, MA Early-Career Sustainable OM Workshop, Amherst, MA CHR Board Annual Meeting, New York, NY Johnson OTIM PhD Forum, Ithaca, NY INFORMS Annual Meeting, Anaheim, CA "AI Co-Pilots for Data-driven Perishable Inventory Management" INFORMS MSOM Conference, Minneapolis, MN INFORMS MSOM Conference, Minneapolis, IN NFORMS Annual Meeting, Indianapolis, IN Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" POMS-HK International Conference, Hong Kong "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Prod Recall" International Workshop on Behavioral Operations Management, Guangzhou Dec 20 		
 Tutorial Sessions for NCCY 5080 Operations Management (MBA), 4.82/5 Teaching Assistant NBAY 6760 Decision Models (MBA) NCCE 5080 Managing Operations (EMBA), 4.60/5 NCCE 5080 Managing Operations (EMBA) NCCE 5080 Managing Operations (EMBA) NCCY 5080 Operations Management (MBA) SELECTED INVITED TALKS "Using Artificial Intelligence to Reduce Food Waste" INFORMS Annual Meeting, Seattle, WA Wharton Empirical Operations Management Workshop, Philadelphia, PA First OM Workshop on Food Waste Reduction, Munich, Germany Sep 20 INFORMS Annual Meeting, Phoenix, AZ INFORMS MSOM Conference, Montreal, QC, Canada Early-Career Sustainable OM Workshop, Amherst, MA Early-Career Sustainable OM Workshop, Amherst, MA CHR Board Annual Meeting, New York, NY Johnson OTIM PhD Forum, Ithaca, NY Johnson OTIM PhD Forum, Ithaca, NY INFORMS Annual Meeting, Indianapolis, IN INFORMS MSOM Conference, Minneapolis, MN INFORMS Annual Meeting, Indianapolis, IN Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing POMS-HK International Conference, Hong Kong "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall" International Workshop on Behavioral Operations Management, Guangzhou Dec 20 SERVICE 	\diamond Tutorial Sessions for NCCY 5080 Operations Management (MBA), 4.85/5	Fall 2022
Teaching Assistant NBAY 6760 Decision Models (MBA) NCCE 5080 Managing Operations (EMBA), 4.60/5 NCCE 5080 Managing Operations (EMBA) NCCE 5080 Managing Operations (EMBA) NCCE 5080 Operations Management (MBA) Spring 20 NCCY 5080 Operations Management (MBA) SELECTED INVITED TALKS "Using Artificial Intelligence to Reduce Food Waste" INFORMS Annual Meeting, Seattle, WA Wharton Empirical Operations Management Workshop, Philadelphia, PA Oct 20 First OM Workshop on Food Waste Reduction, Munich, Germany INFORMS Annual Meeting, Phoenix, AZ INFORMS MSOM Conference, Montreal, QC, Canada Early-Career Sustainable OM Workshop, Amherst, MA Early-Career Sustainable OM Workshop, Amherst, MA CHR Board Annual Meeting, New York, NY Johnson OTIM PhD Forum, Ithaca, NY Johnson OTIM PhD Forum, Ithaca, NY INFORMS Annual Meeting, Anaheim, CA "AI Co-Pilots for Data-driven Perishable Inventory Management" INFORMS MSOM Conference, Minneapolis, MN INFORMS MSOM Conference, Minneapolis, MN INFORMS Annual Meeting, Indianapolis, IN Oct 20 "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" POMS-HK International Conference, Hong Kong Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Prod Recall" International Workshop on Behavioral Operations Management, Guangzhou Dec 20 SERVICE	\diamond Tutorial Sessions for NCCW 5080 Managing Operations (Healthcare EMBA), 4.80/5	Summer 2022
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 ◇ CHR Board Annual Meeting, New York, NY ◇ Johnson OTIM PhD Forum, Ithaca, NY ◇ INFORMS Annual Meeting, Anaheim, CA "AI Co-Pilots for Data-driven Perishable Inventory Management" ◇ INFORMS MSOM Conference, Minneapolis, MN ◇ INFORMS Annual Meeting, Indianapolis, IN ◇ INFORMS Annual Meeting, Indianapolis, IN ○ Ct 20 "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" ◇ POMS-HK International Conference, Hong Kong Jan 2018, 20 "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Prod Recall" ◇ International Workshop on Behavioral Operations Management, Guangzhou Dec 20 	\diamond INFORMS MSOM Conference, Montreal, QC, Canada	Jun 2023
 ◇ Johnson OTIM PhD Forum, Ithaca, NY ◇ INFORMS Annual Meeting, Anaheim, CA "AI Co-Pilots for Data-driven Perishable Inventory Management" ◇ INFORMS MSOM Conference, Minneapolis, MN ◇ INFORMS Annual Meeting, Indianapolis, IN ◇ Ct 26 "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" ◇ POMS-HK International Conference, Hong Kong Jan 2018, 26 "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall" ◇ International Workshop on Behavioral Operations Management, Guangzhou Dec 26 	\diamond Early-Career Sustainable OM Workshop, Amherst, MA	Feb 2023
 ◇ INFORMS Annual Meeting, Anaheim, CA "AI Co-Pilots for Data-driven Perishable Inventory Management" ◇ INFORMS MSOM Conference, Minneapolis, MN ◇ INFORMS Annual Meeting, Indianapolis, IN ◇ Ct 20 "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" ◇ POMS-HK International Conference, Hong Kong Jan 2018, 20 "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall" ◇ International Workshop on Behavioral Operations Management, Guangzhou Dec 20 	♦ CHR Board Annual Meeting, New York, NY	Nov 2022
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 ◇ INFORMS MSOM Conference, Minneapolis, MN ◇ INFORMS Annual Meeting, Indianapolis, IN ◇ Ct 20 "Pricing and Capacity Allocation: Implications for Manufacturers with Product Sharing" ◇ POMS-HK International Conference, Hong Kong Jan 2018, 20 "Interactions of Traceability and Reliability Optimization in a Competitive Supply Chain with Product Recall" ◇ International Workshop on Behavioral Operations Management, Guangzhou Dec 20 SERVICE	♦ INFORMS Annual Meeting, Anaheim, CA	Oct 2021
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	\diamond International Workshop on Behavioral Operations Management, Guangzhou	Dec 2018
♦ Session Co-chair, INFORMS Annual Meeting	SERVICE	
	♦ Session Co-chair, INFORMS Annual Meeting	2024
♦ Reviewer for INFORMS BOM Best Working Paper Competition 20	\diamond Reviewer for INFORMS BOM Best Working Paper Competition	2024
♦ Program Committee Member for INFORMS Data Science Workshop	\diamond Program Committee Member for INFORMS Data Science Workshop	2024
♦ Co-chair, Johnson OTIM PhD Forum, Cornell University 2021–20	\diamond Co-chair, Johnson OTIM PhD Forum, Cornell University	2021 – 2022
SELECTED COURSEWORK	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. Meng Qi

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Prof. Elena Belavina

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Prof. Andrew Davis

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