

JIASHUO JIANG

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44 W 4th St, New York City, NY, 10014

EDUCATION

Ph.D. in Operations Management, New York University

Sept. 2017 - Jan. 2023

Department of Technologies, Operations and Statistics

Stern School of Business

advised by Prof. Jiawei Zhang and Prof. Will Ma

B.S. in Mathematics, Peking University

Sept. 2013 - June. 2017

School of Mathematical Sciences

RESEARCH INTERESTS

Applications: supply chain management; inventory system; revenue management.

Methodologies: online optimization and learning; stochastic optimization; applied probability.

TEACHING EXPERIENCE

Operations Management (undergraduate core), NYU Stern (2021)

Role: instructor

Course evaluation: 4.7/5

Enrollment: 16

OTHER EXPERIENCES

1. Summer internship at *Amazon Supply Chain Optimization Technologies (SCOT) department*
Role: research scientist
Project: applying data-driven online optimization techniques to enhance the inbound process management for Amazon supply chain system.
2. Visiting graduate student at *Simons Institute for the Theory of Computing*
Role: participating in the *data-driven decision processes* program.

PUBLICATIONS

1. **Achieving High Individual Service-Levels without Safety Stock? Optimal Rationing Policy of Pooled Resources.**
Authors: Jiashuo Jiang, Shixin Wang, Jiawei Zhang
Outlet: *Operations Research* 2022 (article in advance)
2. **Tight Guarantees for Multi-unit Prophet Inequalities and Online Stochastic Knapsack.**
Authors: Jiashuo Jiang, Will Ma, Jiawei Zhang

An extended abstract accepted by *SODA 2022*
Journal version under review at *Operations Research*
Finalist for 2021 Jeff McGill Student Paper Award for Revenue Management and Pricing
Finalist for 2022 George Nicholson Student Paper Competition

3. Non-stationary Bandits with Knapsacks.

Authors: Shang Liu, Jiashuo Jiang, Jiawei Zhang
Outlet: *NeurIPS 2022*

PREPRINTS AND PAPERS UNDER REVIEW

4. Online Stochastic Optimization with Wasserstein Based Non-stationarity.

Authors: Jiashuo Jiang, Xiaocheng Li, Jiawei Zhang
Outlet: Under Review after a major revision at *Management Science*

5. Learning to Order for Inventory Systems with Lost Sales and Uncertain Supplies.

Authors: Boxiao Chen, Jiashuo Jiang, Jiawei Zhang, Zhengyuan Zhou
Outlet: Under Review at *Management Science*

6. Tightness without Counterexamples: A New Approach and New Results for Prophet Inequalities.

Authors: Jiashuo Jiang, Will Ma, Jiawei Zhang
Outlet: In Preparation for Submission to *Operations Research*

7. Degeneracy is OK: Logarithmic Regret for Network Revenue Management with Indiscrete Distributions.

Authors: Jiashuo Jiang, Will Ma, Jiawei Zhang
Outlet: In Preparation for Submission to *Operations Research*

8. Online Resource Allocation with Stochastic Resource Consumption.

Authors: Jiashuo Jiang, Jiawei Zhang
Outlet: Working paper

ACADEMIC SERVICES

1. Session chair for Informs 2022.
2. Session chair for the 2022 CORS/INFORMS International Conference.
3. Review for *Operations Research*, *Management Science*, *Mathematics of Operations Research*, *Informs Journal on Computing*.
4. Organizer for the NYU Stern MOILS seminar (2019).

INVITED CONFERENCE/SEMINAR PRESENTATIONS

1. **“Achieving High Individual Service-Levels without Safety Stock? Optimal Rationing Policy of Pooled Resources”**
 Informs Annual Meeting at Seattle, WA Oct. 2019

2. **“Online Resource Allocation with Stochastic Resource Consumption”**
 Informs Annual Meeting at Seattle, WA Oct. 2019
 NYU Stern MOILS seminar at NYC, NY May. 2019

3. **“Tight Guarantees for Multi-unit Prophet Inequalities and Online Stochastic Knapsack”**
 NYU Stern MOILS seminar at NYC, NY May. 2021
 INFORMS Revenue Management and Pricing (RMP) Section Conference (virtual) June. 2021
 Cornell ORIE young researcher workshop at Ithaca, NY Oct. 2021
 Informs Annual Meeting at Anaheim, CA Oct. 2021
 Informs Optimization Society Conference at Greenville, SC Mar. 2022
 Microsoft Marketplace Innovation Workshop (virtual) May. 2022
 Informs Annual Meeting at Indianapolis, IN Oct. 2022

4. **“Online Stochastic Optimization with Wasserstein Based Non-stationarity”**
 NYU Stern MOILS seminar at NYC, NY Nov. 2020
 INFORMS Revenue Management and Pricing (RMP) Section Conference (virtual) June. 2021
 Manufacturing and Service Operations Management Society Conference (virtual) June. 2021
 Informs Annual Meeting at Anaheim, CA Oct. 2021
 Informs Optimization Society Conference at Greenville, SC Mar. 2022

5. **“Degeneracy is OK: Logarithmic Regret for Network Revenue Management with Indiscrete Distributions”**
 Informs Annual Meeting at Indianapolis, IN Oct. 2022