

# JIAQI SHI

+1 (646) 691-4397 | [js5778@columbia.edu](mailto:js5778@columbia.edu) | <https://jiaqishi777.github.io>

## EDUCATION

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### Columbia University

Ph.D. in Operations Research

M.S. in Operations Research

Advisor: Adam Elmachtoub

Relevant Courses: Optimization, Stochastic Models, Data Analytics, Revenue Management and Pricing, Simulation, Transportation Analytics and Logistics, Supply Chain Analytics

### Nanjing University

B.S. in Mathematics

### University of California, Berkeley

Exchange Student

New York, NY

Aug 2022 - Present

Aug 2020 - May 2022

Nanjing, CN

Sep 2016 - Jun 2020

Berkeley, CA

Jan 2019 - May 2019

## RESEARCH

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- Adam Elmachtoub, Jiaqi Shi. The Power of Static Pricing for Reusable Resources. Under Review in **Management Science**.
  - Reusable resources are used in many real-world applications such as cloud computing, car rental, and sharing economy. Provide universal high-performance guarantees for pricing reusable resources using a simple static policy under various model settings.
- Ginger Y. Ke, Jiaqi Shi, Zizhuo Wang, Lianmin Zhang. Price Optimization for a Multi-stage Choice Model. Minor Revision in **Production and Operations Management**.
  - Propose a multi-stage choice model where a customer's past purchase choices could influence future prices that she can receive. Show that a unique optimal pricing policy exists under mild conditions.

\_ : Authors are listed in alphabetical order.

## TALKS

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The Power of Static Pricing for Reusable Resources

- Oral: INFORMS Annual Conference (Oct 2023), IEOR PhD Seminar (Sep 2022)
- Poster: DSI Business Analytics (Nov 2023), NYC Operations Day (May 2023), Data Science Day (March 2023)

## HONORS AND AWARDS

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- Finalist, INFORMS 2023 BSS Data Challenge Competition 2023
  - Report: Decoupling Price and Demand Estimation for Profit Optimization
- Columbia IEOR Department Graduate Fellowship 2022

## TEACHING EXPERIENCE

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Teaching Assistant

- IEOR 4004 Optimization Models and Methods Fall 2023
  - IEOR 4601 Dynamic Pricing and Revenue Management Spring 2023
- Course Assistant
- IEOR 4418 Transportation Analytics and Logistics Spring 2022
  - IEOR 4106 Stochastic Models Fall 2021

## UNIVERSITY SERVICE

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- Inaugural Member of IEOR Ph.D. Council Oct 2022 - Present

## SKILLS

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- Technical: Python | MATLAB | Gurobi | LaTeX
- Languages: English (Fluent), Mandarin (Native)