Yukai Huang

PHD CANDIDATE · SUPPLY CHAIN, OPERATIONS AND TECHNOLOGY

Washington University in St. Louis

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Education

Washington University in St. Louis   *St. Louis, MO*

PHD SUPPLY CHAIN, OPERATIONS AND TECHNOLOGY   *2019.8 - present*

- Advisor: Dr. Jacob Feldman

University of North Carolina, Chapel Hill   *Chapel Hill, NC*

MS STATISTICS AND OPERATION RESEARCH   *2017.9 - 2019.5*

- Thesis Advisor: Dr. Vidyadhar Kulkarni

Shanghai Jiaotong University   *Shanghai, China*

BS APPLIED MATHEMATICS   *2013.9 - 2017.5*

- Minors in computer science

Research

IN REVIEW

Yukai Huang, Heng Zhang, Jacob Feldman. *Joint inventory and online assortment optimization with reusable resources: Basic Reusability and Beyond*. Submitted to **Management Science**

Jacob Feldman, Panos Kouvelis, **Yukai Huang**. *Prophet Inequalities and Approximation Schemes for a New Class of Overbooking Problems in Container Shipping*. Major Revision in **Operations Research**

WORK IN PROGRESS

Jacob Feldman, **Yukai Huang**, Danny Segev, Levi DeValve. *Approximation Schemes for Dynamic Pricing with Opaque Products*

Presentations

CONTRIBUTED PRESENTATIONS

Approximation Schemes for Dynamic Pricing with Opaque Products

- 2021 INFORMS Annual Meeting, Anaheim, CA
- 2022 INFORMS Annual Meeting, Indianapolis, IN
- 2022 INFORMS Revenue Management and Pricing Section Conference (Virtual)
- 2023 Annual POMS-Conference , Orlando, FL
- 2023 INFORMS Annual Meeting, Phoenix, Arizona

Joint inventory and online assortment optimization with reusable resources: Basic Reusability and Beyond

- 2024 INFORMS Manufacturing and Service Operations Management Conference, Minneapolis, MN
- 2024 INFORMS Revenue Management and Pricing Section Conference, Los Angelas, CA
- 2024 Purdue Operations Conference, Lafayette, IN

Teaching Experience

FL 2024	**SCOT 430E Operations Fun: Data-Driven Optimization**, Teaching Assistant
FL 2023	**SCOT 430E Operations Fun: Data-Driven Optimization**, Teaching Assistant
FL 2022	**SCOT 430E Operations Fun: Data-Driven Optimization**, Teaching Assistant
SP 2022	**DAT 561 Introduction to Python and Data Science**, Teaching Assistant
FL 2021	**DAT 561 Introduction to Python and Data Science**, Teaching Assistant
SP 2021	**SCOT 653 Stochastic Models for Production and Service Systems** • Individual teaching session: *Introductions to Newsvendor Models.* • Individual teaching session: *Queueing Network*

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