Daniel Chen

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Academic Position

Carroll School of Management, Boston College
Assistant Professor of Business Analytics   2024–Present

Education

The Wharton School, University of Pennsylvania
Ph.D. in Operations Management   2019–2024

University of Southern California
M.S. in Mathematical Finance   2018–2019
B.S. in Economics/Mathematics, *summa cum laude*   2015–2019

Research Interests

Operations Strategy, Online Platforms, Gig Economy, Networks, Human-AI Interaction

Research

Papers Under Review/Revision

1. Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning, with Gad Allon and Ken Moon. Reject and Resubmit at *Management Science.*
• Finalist, 2023 INFORMS Behavioral Operations Management Best Working Paper Award

2. Machine Learning and Prediction Errors in Causal Inference, with Gad Allon, Zhenling Jiang, and Dennis Zhang. Under revision.

Working Papers

3. Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy, with Gad Allon and Ken Moon.

Work in Progress

4. The Value of Network Information in Online Ratings.

Selected Awards and Grants

Coalition for Equity and Opportunity Research Fellowship   2023–2025
Research Project: Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy
$2,500

Mack Institute Research Fellowship   2023–2024
Research Project: Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy
$8,000

Mack Institute Research Fellowship   2022–2023
Research Project: Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning
$8,000

Russell Ackoff Doctoral Student Fellowship   2022–2023
Research Project: Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning
$3,000

Finalist, INFORMS Behavioral Operations Management Best Working Paper Award   2023
Paul R. Kleindorfer Scholar Award   2023
Marjorie Weiler Prize for Excellence in Writing   2020
Wharton Doctoral Fellowship   2019–2024
Phi Beta Kappa   2018

Conference Presentations

2024, MSOM Conference, Minneapolis, MN
Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy

2023, INFORMS Annual Meeting, Phoenix, AZ
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2023, INFORMS Annual Meeting, Phoenix, AZ
Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy

2023, INFORMS Annual Meeting, Phoenix, AZ
Machine Learning and Prediction Errors in Causal Inference

2023, Workshop on Empirical Research in Operations Management, Philadelphia, PA
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2023, MSOM Conference, Montreal, Canada
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2023, MSOM Conference, Montreal, Canada
Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy

2023, Marketplace Innovation Workshop, Online
Algorithmic Pricing, Transparency, and Discrimination in the Gig Economy

2022, INFORMS Annual Meeting, Indianapolis, IN
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2022, Wharton-INSEAD Doctoral Consortium, Philadelphia, PA
Machine Learning and Prediction Errors in Causal Inference

2022, MSOM Conference, Munich, DE
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2022, Revenue Management and Pricing Conference, Online
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2022, Marketing Science Conference, Online
Machine Learning and Prediction Errors in Causal Inference

2022, Marketplace Innovation Workshop, Online
Measuring Strategic Behavior by Gig Economy Workers: Multihoming and Repositioning

2021, INFORMS Annual Meeting, Anaheim, CA
Machine Learning and Prediction Errors in Causal Inference

2021, MSOM Conference, Online
Machine Learning and Prediction Errors in Causal Inference

Teaching Experience

Guest Lecturer, The Wharton School, University of Pennsylvania

WH 1508: Evaluating Evidence (UG Elective), Spring 2024

Teaching Assistant, The Wharton School, University of Pennsylvania

OIDD 615: Operations Strategy (MBA/EMBA Core), Summer 2022, Spring 2024
OIDD 636: Scaling Ventures: Aligning Operations with Strategy (EMBA Elective), Fall 2022
OIDD 101: Introduction to Operations, Information and Decisions (UG Core), Spring 2021, Spring 2022

Service

Referee: Management Science, INFORMS Behavioral Operations Management Best Working Paper Competition, Wharton-INSEAD Doctoral Consortium

Technical Skills

R, Stata, MATLAB, C++, Python, Java, Objective-C, SQL, JavaScript, Microsoft Office, HTML, CSS