

Jingwei Zhang

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EMPLOYMENT

Samuel Curtis Johnson College of Business, Cornell University

Assistant Professor (Tenure Track) of Operations, Technology and Information Management July 2023 - present
Faculty Fellow of Cornell Atkinson Center for Sustainability

EDUCATION

Anderson School of Management, UCLA

Ph.D. in Operations Management 2023

- **Dissertation:** Toward Sustainable Cities: Modeling and Data Analytics for Urban Mobility

Columbia Business School, Columbia University

M.S. in Marketing Science 2018

Tsinghua University

B.E. in Industrial Engineering (Major) 2017

B.E. in Computer Science (Minor)

RESEARCH INTERESTS

- **Methodologies:** data analytics, applied game theory, structural estimation, optimization
- **Applications:** sustainability, smart city operations, urban mobility

PUBLICATIONS

Partnerships in Urban Mobility: Incentive Mechanisms for Improving Public Transit Adoption [[Link](#)]

with Auyon Siddiq and Christopher S. Tang

Manufacturing & Service Operations Management, Vol. 24, No. 2: 956 – 971, 2021

- Media coverage: [UCLA Anderson Review](#)

WORKING PAPERS

Planning Bike Lanes with Data: Ridership, Congestion, and Path Selection [[Link](#)]

with Sheng Liu and Auyon Siddiq

Minor revision, *Management Science*

- **Winner**, INFORMS Public Sector Operations Research (PSOR) Best Paper Award, 2023
- **Winner**, POMS College of Sustainable Operations Student Paper Competition, 2022
- **Second Place**, INFORMS IBM Best Student Paper Award, 2022
- **Second Place**, Section on Location Analysis (SOLA) Best Student Paper Award, 2023
- **Finalist**, INFORMS Workshop on Data Mining and Decision Analytics Best Paper Award (Applied Track), 2022
- Accepted to MSOM Sustainable Operations SIG, 2022
- Media coverage: [UCLA Anderson Review](#), [Rotman Research Insights](#)

WORK IN PROGRESS

Traffic and Emissions: Environmental Impact of Large-Scale Bike Lane Network Expansion

with Mengling Zhang, Sheng Liu and Keji Wei

Model development and data collection completed; numerical experiments in progress

HONORS & AWARDS

Winner , Public Sector Operations Research Best Paper Award	2023
Second Place , INFORMS Society on Location Analysis Best Student Paper Award	2023
INFORMS Workshop on Data Science Student Scholarship	2023
Honorable Mention , Transportation Science & Logistics Dissertation Award	2023
Xavier Drèze Prize , UCLA Anderson School of Management	2023
Second Place , INFORMS IBM Best Student Paper Award	2022
Finalist , INFORMS Workshop on Data Mining and Decision Analytics Best Applied Paper Award	2022
First Place , POMS College of Sustainable Operations Student Paper Competition	2022
Dissertation Year Fellowship, UCLA	2022
Easton Technology Management Center Grant, UCLA	2020 – 2022
UCLA Anderson DOTM Area Travel Grant	2020 – 2022
Four-year Ph.D. Fellowship, UCLA Anderson School of Management	2018 – 2022

CONFERENCES PRESENTATIONS

Planning Bike Lanes with Data: Ridership, Congestion, and Path Selection

- 2023: POMS, POMS – HK, Conference on AI ML and BA
- 2022: CUHK Shenzhen, Indiana Kelley, UIUC Gies, UT Dallas Naveen Jindal, London Business School, UCL, GWU Business School, Rice Jones, Michigan Ross, Cornell Johnson, INFORMS, Workshop on Data Mining and Decision Analytics, UCLA Anderson, NYU Stern, CSAMSE, MSOM SIG, University of Toronto Rotman, CORS, LBS Trans-Atlantic Doctoral Conference, City of Vancouver's Transportation Division
- 2021: INFORMS

Partnerships in Urban Mobility: Incentive Mechanisms for Improving Public Transit Adoption.

- 2021: MSOM, POMS
- 2020: INFORMS

TEACHING EXPERIENCE

Undergraduate/MPS in Applied Economics and Management	Cornell University
AEM 4940/AEM 6940 Introduction to Machine Learning	Spring 2024 - present

RESEARCH MENTORSHIP

Traffic and Emissions: Environmental Impact of Large-Scale Bike Lane Network Expansion

Chenxi Li, visiting Ph.D. student at Rotman School of Management, University of Toronto

Mengling Zhang, visiting Ph.D. student at Rotman School of Management, University of Toronto

INDUSTRY EXPERIENCE

- Data scientist intern, **Lime** Virtual, Summer 2022
- Proposed a queueing model for spatial-temporal analysis of excess demand and excess supply of e-scooters, which is in production to guide fleet rebalancing
 - Conducted causal inference of sidewalk riding on bike lane existence and type, which is used for bike lane recommendation to the government

SERVICES

- Reviewer for Management Science, Manufacturing & Service Operations Management, MSOM SIG, POM 2023 - present
- Co – Chair, INFORMS Public Sector Operations Research (PSOR) Best Paper Competition 2024
- Session Co – Chair, INFORMS Annual Meeting, POMS 2022 - present
- PhD representative, UCLA Anderson Equity, Diversity, and Inclusion (EDI) Advisory Council 2022
- Area representative, UCLA Anderson PhD Advisory Board 2019 - 2022

MISCELLANEA

Programming Skills: Python, Julia, SQL, R, Matlab, Linux/bash

Software: Mathematica, ArcGIS, Tableau

Hobbies: Tennis, travelling, photography