

Yi Fan

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🌐 <https://jadonfan7.github.io/>

EDUCATION

Shanghai Jiao Tong University

M.S. in Management Science and Engineering

Shanghai, China

Sept. 2025 - Present

Tongji University

B.S. in Management Information System

Shanghai, China

Sept. 2021 - Jun. 2025

- GPA: 4.8/5.
- Core Courses: Optimization Theory and Method (PhD Level), Operations Research, Operations Management, Data Structure, Business Intelligence, Python/C++/Java Programming (All 5.00).

RESEARCH INTERESTS

Transportation and Logistics Systems, Healthcare, Marketplace Design

RESEARCH EXPERIENCE

TSL-Meituan Competition

Research Assistant, Advisors: Prof. Keji Wei, Prof. Yufeng Cao and Prof. Xi Xiong

Shanghai, China

Jun. 2024 - Present

- Propose Adaptive Delivery Matching with Agent-based Courier Reinforcement Optimization(AD-MACRO) framework to deal with the uncertain nature of the food delivery process and the interactions between each stakeholder.
- Major Revision by **Transportation Science**.
- Finalist, INFORMS TSL Data-Driven Research Challenge, 2025.

ESG Performance and Greenwashing

Research Assistant, Advisor: Prof. Yongrui Duan

Shanghai, China

Jan. 2024 - Jun. 2024

- Find the positive U-shaped relationship between environmental regulatory intensity (ERI) and corporate ESG scores.
- Mechanism analysis indicates that in the stage of corporate ESG decline, ERI mainly plays a role by inhibiting corporate greenwashing behavior rather than promoting carbon emission reduction by corporations.
- Heterogeneity test indicates that the positive U-shaped relationship between ERI and corporate ESG scores is more significant in enterprises in state-owned enterprises, and enterprises with low return on assets and high gearing ratio.

Agent-based Modeling and Simulation System for Library Seat Selection

Project Leader

Shanghai, China

Jun. 2023 - Aug. 2023

- Construct a virtual library environment and collect data through onsite investigation and questionnaire surveys.
- Classify reader agent types and analyze demographic characteristics and behavioral decision-making patterns.
- Simulate the decision-making process for seat selection based on reader attributes and environmental preferences. Through optimizing and validating parameters, model's grey correlation degree is increased to 0.87.

EXTRACURRICULAR ACTIVITIES

Tecent, CSIG Department

Intern - Contributed to the a white paper for Intelligent Building and Real Estate

Shanghai, China

Jul. 2023 - Sept. 2023

AWARDS & HONORS

Outstanding Undergraduate Student in Tongji University	2025
Finalist, INFORMS TSL Data-Driven Research Challenge	2025
National Scholarship of China (Top 0.2% nationwide)	2023
Shen Rongfang Scholarship (Top 6 in college)	2023
Yuantong Education Scholarship (Top 5 in college)	2023
Tongji University Outstanding Student Scholarship	2022, 2024

SKILLS

Programming: Python, C++, L^AT_EX, Stata, Anylogic, Arena

Languages: Fluent in English, Native in Mandarin