

# Yi Fan

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🌐 <https://jadonfan7.github.io/>

## EDUCATION

### Tongji University

Shanghai, China

*B.S. in Information Management and Information System*

*Sept. 2021 - Present*

- Major GPA: 4.88/5.
- Core Courses: Optimization Theory and Method (PhD Level), Operations Research, Operations Management, Data Structure, Business Intelligence, Python/C++/Java Programming (All 5.00).

### Shanghai Jiao Tong University

Shanghai, China

*M.S. in Management Science and Engineering*

*Incoming Sept. 2025*

## RESEARCH INTERESTS

Transportation and Logistics Systems, Healthcare, Marketplace Design

## RESEARCH EXPERIENCE

### TSL-Meituan Competition

Shanghai, China

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

*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.
- Under Review by **Transportation Science**.
- Finalist, INFORMS TSL Data-Driven Research Challenge, 2025.

### ESG Performance and Greenwashing

Shanghai, China

*Research Assistant, Advisor: Prof. Yongrui Duan*

*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

Shanghai, China

*Project Leader*

*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

Shanghai, China

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

*Jul. 2023 - Sept. 2023*

## AWARDS & HONORS

Finalist, INFORMS TSL Data-Driven Research Challenge	2025
JianXing Scholarship (Top 10 in grade)	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 Outstanding Student Scholarship	2022, 2024

## SKILLS

**Programming:** Python, C++, L<sup>A</sup>T<sub>E</sub>X, Stata, Anylogic, Arena

**Languages:** Fluent in English, Native in Mandarin