

JASON PHILLIP LU

Department of Civil and Environmental Engineering, University of Michigan
972-515-9250 | lujason@umich.edu | [Linkedin](#) | [Website](#) | U.S. Citizen

EDUCATION

University of Michigan

Doctor of Philosophy, Civil Engineering

Advisor: Prof. Neda Masoud

Specialization in Next Generation Transportation Systems

Expected May 2028

GPA: 3.962/4.0

University of Michigan

Master of Science, Industrial and Operations Engineering

Expected May 2026

GPA: 3.962/4.0

Georgia Institute of Technology

Bachelor of Science, Industrial Engineering

Research Advisor: Prof. Pascal Van Hentenryck

Minor in Scientific and Engineering Computing

Dec. 2022

GPA: 3.93/4.0

Graduated with Highest Honors

PUBLICATIONS

Peer-Reviewed Journals

Lu, J., Trasatti, A., Guan, H., Dalmeijer, K., Van Hentenryck, P. (2024). The Impact of Congestion and Dedicated Lanes on On-Demand Multimodal Transit Systems [Special Issue: Multimodal Public Transport, Travel Behaviour and Social Equity]. *Travel Behaviour and Society*. Volume 36, 100772. <https://doi.org/10.1016/j.tbs.2024.100772>

Under Revision

Lu, J., Masoud, N. (2025). The Incentive Bundle Program to Enhance Multimodal Transportation. *Submitted to Transportation Science*

RESEARCH EXPERIENCE

Graduate Research Assistant

[Next Generation Mobility Systems Lab](#)

Supervisor: Prof. Neda Masoud

University of Michigan

Aug. 2023 -

Research Assistant

[Artificial Intelligence Institute for Advances in Optimization](#)

Supervisor: Prof. Pascal Van Hentenryck

Georgia Institute of Technology

Jan. 2023 - Jul. 2023

Undergraduate Research Assistant

[Socially Aware Mobility Lab](#)

Supervisor: Prof. Pascal Van Hentenryck

Georgia Institute of Technology

Feb. 2021 - Jul. 2023

PRESENTATIONS

Invited Talks

The Incentive Bundle Program to Enhance Multimodal Transport. *Next Generation Transportation Systems Seminar Series*, Department of Civil and Environmental Engineering, University of Michigan, February 27, 2025.

Conference Presentations

Lu, J., Masoud, N. A Game Between Ridehailing Operator and Government Under the Incentive Bundle Program. *2025 INFORMS Annual Meeting*, Atlanta, Georgia, October 26-29, 2025.

Lu, J., Masoud, N. The Incentive Bundle Program to Enhance Multimodal Transportation. *The 7th Bridging Transportation Researchers Conference*, Virtual, August 6-7, 2025.

Masoud, S., Masoud, N., Alinezhad, E., **Lu, J.**, Rapp, S., Rimanelli, J. Adaptive Contested Logistics: A DDDAS Framework with Dynamic Bayesian Belief Networks. *2025 ARC Annual Program Review*, Ann Arbor, Michigan, June 17-18, 2025.

Masoud, N., **Lu, J.**, Chen, C., Liu, Y., Wu, Y., Kusari, A. Balancing Safety, Cybersecurity, and Mobility: Quantifying the Impact of Sensor Redundancy in CAVs. *2025 CCAT Global Symposium on Mobility Innovation*, Ann Arbor, Michigan, March 28, 2025.

Lu, J., Masoud, N. Designing Incentive Bundles for Multimodal Transportation Systems. *2024 INFORMS Annual Meeting*, Seattle, Washington, October 20-23, 2024.

Akhlaghi, V.E., Guan, H., **Lu, J.**, Van Hentenryck, P. Optimizing Truck Fleet Scheduling for Fuel Deliveries. *2023 INFORMS Annual Meeting*, Phoenix, Arizona, October 15-18, 2023.

HONORS AND AWARDS

Rackham Conference Travel Grant *Aug. 2024, Aug. 2025*
Rackham Graduate School, University of Michigan

Seth Bonder Fellowship *Jun. 2022, Jun. 2023*
H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology

Stewart Topper Fellowship (Declined) *Feb. 2023*
H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology

Senior Design Capstone Finalist *May 2022*
H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology

SERVICE - INTERNAL

Michigan Transportation Student Organization
Vice President *May 2024 - Apr. 2025*

The Seth Bonder Camp in Computational and Data Science for Engineering
Instructor *Jun. 2022 - Jul. 2023*

SERVICE - EXTERNAL

Reviewer for Academic Journals and Conferences

- Transportation Research Board
- Bridging Transportation Researchers

Conference Session Chair

- Advancements in Urban Transit Systems, *2024 INFORMS Annual Meeting*, Seattle, Washington, October 20-23, 2024.

ADVISING

Masters Students

Yuyang Liu, University of Michigan *May 2024 -*
M.S. Electrical Engineering (Expected 2026)

Undergraduate Students

Yi Ling Wu, University of Michigan

May 2024 - May 2025

B.S. Computer Engineering (2025)

Placement: PhD Student, Department of Mechanical Engineering, Texas A&M University

– Aviles-Johnson Doctoral Fellowship

TEACHING

Graduate Student Instructor

University of Michigan

CEE 501 - Next Generation Transportation Systems Seminar

Spring 2024

Instructor: Prof. Neda Masoud

Guest Lecturer

University of Michigan

Overview of Next Generation Transportation Systems Program

March 26, 2025

CEE 200 - Introduction to Civil and Environmental Engineering

Preparing for the Civil and Environmental Engineering Career Fair

September 25, 2024

CEE 200 - Introduction to Civil and Environmental Engineering

Gurobi Installation

September 23, 2024

CEE 553 - Infrastructure Systems Optimization

Head Undergraduate Teaching Assistant

Georgia Institute of Technology

ISYE 4134 - Constraint Programming

Spring 2023

Instructors: Mr. Tejas Santanam, Prof. Pascal Van Hentenryck

Undergraduate Teaching Assistant

Georgia Institute of Technology

ISYE 3044 - Simulation Analysis and Design

Summer 2022

Instructor: Prof. Seong-Hee Kim

ISYE 4034 - Decision and Data Analytics

Spring 2022

Instructor: Prof. Jye-Chyi Lu

ISYE 3770 - Statistics and Applications

Spring 2021

Instructor: Dr. Tuba Ketenci

MEDIA COVERAGE AND RECOGNITION

“[AI4OPT’s Impact at INFORMS 2023 Annual Meeting](#),” AI4OPT, Oct. 2023.

“[The Monthly Opt-In](#),” AI4OPT Newsletter, Jul. 2023, Vol. 1, Issue 7, Page 4.

“[Engineering for Human Needs](#),” The H. Milton Stewart School Alumni Magazine, May 2023, Vol. 16, No. 1, Page 21.

INDUSTRY EXPERIENCE

Convoy

Process Improvement Intern

Jan. 2022 - May 2022

Yokogawa

Industrial Engineering Intern

May 2021 - Dec. 2021

Yokogawa

Industrial Engineering Intern

May 2020 - Jul. 2020