

Hao Hao

Carnegie Mellon University
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RESEARCH INTEREST	Robust optimization, continuous optimization with applications in supply chain management and machine learning.	
EDUCATION	Carnegie Mellon University, Heinz College Ph.D., Operations Research	2021 - 2026
	Carnegie Mellon University, College of Engineering M.S., Advanced Infrastructure Systems	2019 - 2021
	Imperial College London M.Eng., Electrical and Electronic Engineering (First-Class Honours)	2015 - 2019
JOB MARKET PAPER	Robust Paths: Geometry and Computation [Link] Hao Hao and Peter Zhang <i>Under review at Operations Research</i> - Finalist, 2025 INFORMS George Nicholson Student Paper Competition - Winner, 2025 INFORMS Computing Society (ICS) Student Paper Award	
WORKING PAPERS	Assessing and Explaining the Efficiency of Urban Transportation Networks with Hai Wang and Peter Zhang <i>To be submitted to Transportation Science</i>	
	Submodular Learning for Risk-aware Prediction-Optimization: Applications in Distributed Healthcare with Peiyu Wang, Shuwei He, Holly Wiberg, and Peter Zhang <i>Under preparation</i>	
TEACHING	Teaching Assistant , Heinz College, Carnegie Mellon University Decision Analytics for Business and Policy Decision Making under Uncertainty Unstructured Data Analytics	2023, 2024 2024, 2025 2024
PRESENTATIONS	Robust Paths: Geometry and Computation INFORMS Annual Meeting (Upcoming) YinzOR, Flash Talk Competition, Carnegie Mellon University INFORMS Annual Meeting	2025 2025 2024
	Assessing and Explaining the Efficiency of Urban Transportation Networks INFORMS Annual Meeting INFORMS Annual Meeting	2024 2023

PROFESSIONAL SERVICES Reviewer for Operations Research, Transportation Science Journals
Session Chair, 2022 INFORMS Annual Meeting
Co-Organizer, OR PhD Student Seminar, Heinz College, Carnegie Mellon University

AWARDS Finalist, George Nicholson Student Paper Competition 2025
Winner, INFORMS Computing Society (ICS) Student Paper Award 2025
Winner, George Duncan Award for Excellence in Doctoral Studies for the Second Research Paper, Heinz College, Carnegie Mellon University 2025
Recipient, TCS Presidential Fellowship at Carnegie Mellon University 2022-2023

ADDITIONALS **Programming:** Python
Interests: Boulderling, running, cooking