

## Hao Hao

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