Guixian Chen

Department of Industrial and Operations Engineering, University of Michigan
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Education

University of Michigan — Ann Arbor, MI
Ph.D. in Industrial and Operations Engineering — *Aug. 2023–Apr. 2028 (Expected)*

University of Michigan — Ann Arbor, MI
M.S. in Statistics — *Aug. 2021–Apr. 2023*

Peking University — Beijing, China
B.S. in Mathematics — *Sept. 2017–June 2021*

Preprints

1. **Guixian Chen**, Salar Fattahi, and Soroosh Shafiee. "Oracle-Based Distributionally Robust Optimization under Optimal Transport Ambiguity Sets." 2026. [arXiv]
2. **Guixian Chen**, Salar Fattahi, and Soroosh Shafiee. "Risk-Averse Wasserstein Distributionally Robust Online Learning." 2026. [arXiv]
3. **Guixian Chen**, Jianhao Ma, and Salar Fattahi. "RANSAC Revisited: An Improved Algorithm for Robust Subspace Recovery under Adversarial and Noisy Corruptions." 2025. [arXiv]

Invited Presentations

2026 INFORMS Optimization Society Conference — Atlanta, GA
Online Distributionally Robust Learning under Wasserstein Uncertainty — *Mar. 2026*

2025 INFORMS Annual Meeting — Atlanta, GA
RANSAC Revisited: An Improved Algorithm for Robust Subspace Recovery — *Oct. 2025*

Invited Posters

2026 Young Researchers Workshop — Ithaca, NY
Oracle-Based Distributionally Robust Optimization under Optimal Transport Ambiguity Sets — *Oct. 2026*

2025 Midwest Optimization & Statistical Learning Conference — Evanston, IL
RANSAC Revisited: An Improved Algorithm for Robust Subspace Recovery — *May 2025*

Teaching

University of Michigan — Ann Arbor, MI
Graduate Student Instructor, IOE 515: Stochastic Processes — *Fall 2026*

- Graduate-level, 3-credit course covering Poisson processes, renewal processes, discrete-time Markov chains, and applications in queueing, reliability, and inventory control.

University of Michigan — Ann Arbor, MI
Graduate Student Instructor, IOE 611: Nonlinear Programming — *Fall 2025*

- Graduate-level, 3-credit course covering nonlinear models, convexity, optimality conditions, and algorithms

for unconstrained and constrained optimization.

Professional Service

Conference Reviewer

Conference on Neural Information Processing Systems (NeurIPS)	2026
International Conference on Artificial Intelligence and Statistics (AISTATS)	2026
International Conference on Machine Learning (ICML)	2025
International Conference on Artificial Intelligence and Statistics (AISTATS)	2025
International Conference on Learning Representations (ICLR)	2025
Conference on Neural Information Processing Systems (NeurIPS)	2024
International Conference on Artificial Intelligence and Statistics (AISTATS)	2024

Journal Reviewer

INFORMS Journal on Computing

Operations Research Letters

IEEE Transactions on Information Theory

Honors and Awards

Katta Murty Optimization Prize (Best Student Paper) Apr. 2026
Department of Industrial and Operations Engineering, University of Michigan

Yi-Zheng Alumni Scholarship June 2019
School of Mathematical Sciences, Peking University

Gold Medal, 32nd Chinese Mathematical Olympiad (CMO) Nov. 2016
National Competition, China