YIMENG MIN

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EMPLOYMENT

2026– **Texas A&M University** *College Station, Texas*
Assistant Professor, Department of Computer Science and Engineering.

EDUCATION

2026 **Cornell University** *Ithaca, New York*
Ph.D. in Computer Science · Advisor: Carla P. Gomes
Concentrations in Artificial Intelligence, Theoretical Chemistry, and Theory of Computation

2019 **University of Toronto** *Toronto, Canada*
M.A.Sc. in Electrical and Computer Engineering · Advisor: Edward H. Sargent

2017 **Nanjing University** *Nanjing, China*
B.S. in Physics, Kuang Yaming Honors School

RESEARCH INTERESTS

AI for Science & Scientific Machine Learning · Computational Sustainability
Generative Models · Geometric Deep Learning

SELECTED PUBLICATIONS

1. M. Zhong*, K. Tran*, Y. Min*, C. Wang*, et al. Accelerated discovery of CO_2 electrocatalysts using active machine learning. **Nature**, 2020.
2. Y. Min and C. P. Gomes. Learning unbiased permutations via flow matching. **NeurIPS**, 2026.
3. Y. Min and C. P. Gomes. Structure as search: Unsupervised permutation learning for combinatorial optimization. Graph Machine Learning Workshop at **NeurIPS**, 2025.
4. Y. Min*, Y. Bai*, and C. P. Gomes. Unsupervised learning for solving the travelling salesman problem. **NeurIPS**, 2023.
5. Y. Min*, F. Wenkel*, M. Perlmutter, and G. Wolf. Can hybrid geometric scattering networks help solve the maximum clique problem? **NeurIPS**, 2022.
6. Y. Min*, F. Wenkel*, and G. Wolf. Scattering GCN: Overcoming oversmoothness in graph convolutional networks. **NeurIPS**, 2020.

* Equal contribution.

TEACHING AND SERVICE

Instructor. Texas A&M University: CSCE 689, Special Topics in AI for Science.

Teaching Assistant. Cornell University: CS 3700/5700, Foundations of AI Reasoning and Decision-Making; CS 2770, Excursions in Computational Sustainability.

Teaching/Mentoring. AI4Good Lab, Montréal.

Reviewer. IEEE TSP, LoG, NeurIPS, ICLR, ICML, UAI, Montreal AI Symposium, Climate Change AI Innovation Grants 2023.

Program Committee. Climate Change AI Workshop at NeurIPS.