Mo Yang

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Education

University of Toronto   Toronto, Canada
Doctor of Philosophy in Mechanical and Industrial Engineering, Specialization in Robotics   Sep. 2025 — Present

University of Michigan   Ann Arbor, USA
Bachelor of Science in Engineering in Data Science, Minor in Mathematics   Aug. 2023 — May. 2025
Graduate with highest distinction **Summa Cum Laude**

Shanghai Jiao Tong University   Shanghai, China
Bachelor of Science in Electrical and Computer Engineering   Sep. 2021 — Aug. 2025
Selected as **Honored Graduate**

Publications and Preprints

[1] **Mo Yang**, Jing Yu, Necmiye Ozay. (2025). "Safe Control of Multi-Agent Systems with Minimal Communication". Accepted by *64th IEEE Conference on Decision and Control*.

[2] Jiayi Zhao, **Mo Yang**, Jing Shuang (Lisa) Li. (2024). "Human Balancing on a Log: A Switched Multi-Layer Controller". Accepted by *The 2025 American Control Conference*. Online available.

[3] **Mo Yang**, Dezhi Zhou. (2025). "Ignition Delay Prediction for Fuels with Diverse Molecular Structures Using Transfer Learning-Based Neural Networks". *Energy and AI*, Volume 19, 100467. DOI: 10.1016/j.egyai.2024.100467.

Selected Honors

James B. Angell Scholar   Ann Arbor, USA. Feb. 2025
Roger King Scholarship   Ann Arbor, USA. Aug. 2024
Summer Undergraduate Research in Engineering (SURE) Stipend   Ann Arbor, USA. Mar. 2024
SJTU Undergraduate Excellent Scholarship   Shanghai, China. Oct. 2022
Second Prize in the National Physics Contest for High School Students, Shanghai   Shanghai, China. Oct. 2019

Teaching

Grader   University of Michigan
Math 471 Introduction to Numerical Methods   SU2024
Teaching Assistant   Shanghai Jiao Tong University
ECE 2300 Electromagnetics I   SU2024
Teaching Assistant   Shanghai Jiao Tong University
MATH 2860 Honor Mathematics IV   FA2023
Teaching Assistant   Shanghai Jiao Tong University
MATH 2850 Honor Mathematics III   SU2023