Tianyi Ma

CONTACT
INFORMATION

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RESEARCH
INTERESTS

I am interested in developing and using tools in machine learning and sequential decision-making to address problems in healthcare operations and revenue management.

EDUCATION

Shanghai Jiaotong University, Shanghai, China   **Sept. 2021 - Oct. 2025 (expected)**

B.E in Electrical and Computer Engineering. GPA: 3.91/4.00. Ranking: 5/231.
Minor in Data Science.

Cornell University, Ithaca, USA   **Jan. 2024 - May 2024**

Exchange student in Operations Research and Information Engineering.

RESEARCH
EXPERIENCE

ACEM, Shanghai Jiao Tong University, Shanghai, China   **Jan. 2023 - Present**

Research Assistant of Professor Cheng Hua

SC Johnson College of Business, Cornell University, Ithaca, USA   **Jan. 2024 - Present**

Advised by Professor Ruihao Zhu

HONORS AND
AWARDS

Finalist, INFORMS Data Mining Best Theoretical Paper Award   **2024**

Finalist, INFORMS Conference on Quality, Statistics, and Reliability Best Paper Competition **2024**

National Scholarship (top scholarship in China; 0.2% domestically), Ministry of Education   **2024**

Fan Hsu-Chi Scholarship (15 students), Shanghai Jiao Tong University   **May 2023**

John Wu and Jane Sun Outstanding Scholarship (top scholarship in JI; 10 students), UM-SJTU
Joint Institute   **Oct. 2023**

Silver Medal. The University Physics Competition   **Jan. 2023**

JOURNALS UNDER
REVIEW AND
WORKING PAPERS

Satisficing Exploration in Bandit Optimization
Q. Feng, T. Ma, and R. Zhu (2024)

Exploring Drug Candidates: All ϵ-Best Arm Identification in Linear Bandit
Z. Li, T. Ma, C. Hua, and R. Zhu (2024)

Approximating the Performance of Three-State Emergency Service Systems. Working paper.
T. Ma and C. Hua (2024)

PROFESSIONAL
SERVICE

UM-SJTU Joint Institute, Writing Center   **Sept. 2022 - Present**

Writing Consultant
Advise and edit more than 50 essays and personal statements.

TEACHING
EXPERIENCE

UM-SJTU Joint Institute, MATH1860J, Honors Mathematics II

Teaching Assistant   **Sept. 2022 - Dec. 2022**
Enrollment: 162, honor course for undergraduate foundation