

Tianyi Ma

CONTACT INFORMATION	sean_ma@sjtu.edu.cn +86 138 0160 1830	https://tianyima02.github.io/ +1 (607) 280 8687
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 - Aug. 2025 (expected) B.E in Electrical and Computer Engineering. GPA: 3.93/4.00. Ranking: 4/235. 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	<i>Finalist</i> , INFORMS Data Mining Best Theoretical Paper Award 2024 <i>Finalist</i> , INFORMS Conference on Quality, Statistics, and Reliability Best Paper Competition 2024 The Sam and Daisy Wu Scholarship (top research scholarship in JI; 6 students), UM-SJTU Joint Institute Oct. 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) The Benefits of Employing First-Responder Fire Engines: Modeling a Three-Stage Spatial Queuing System. Working paper. T. Ma, A. J. Swersey, C. Hua (2024) Approximating the Performance of Three-State Emergency Service Systems. Working paper. T. Ma and C. Hua (2024)	
REFEREED CONFERENCE PAPERS	Satisficing Regret Minimization in Bandits. Q. Feng, T. Ma, and R. Zhu (2024) <i>Proceedings of the 13th International Conference on Learning Representations (ICLR 2025)</i>	

PROFESSIONAL SERVICE	UM-SJTU Joint Institute, Writing Center <i>Writing Consultant</i> Advise and edit more than 50 essays and personal statements.	Sept. 2022 - Present
TEACHING EXPERIENCE	UM-SJTU Joint Institute, MATH1860J, Honors Mathematics II <i>Teaching Assistant</i> Enrollment: 162, honor course for undergraduate foundation	Sept. 2022 - Dec. 2022