

# Tianyi Ma

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CONTACT INFORMATION	sean.ma@sjtu.edu.cn +86 138 0160 1830	+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	<b>Shanghai Jiaotong University</b> , Shanghai, China	<b>Sept. 2021 - Oct. 2025 (expected)</b>
	B.E in Electrical and Computer Engineering. GPA: 3.91/4.00. Ranking: 5/231. Minor in Data Science.	
	<b>Cornell University</b> , Ithaca, USA	<b>Jan. 2024 - May 2024</b>
	Exchange student in Operations Research and Information Engineering.	
RESEARCH EXPERIENCE	<b>ACEM, Shanghai Jiao Tong University</b> , Shanghai, China	<b>Jan. 2023 - Present</b>
	Research Assistant of Professor Cheng Hua	
	<b>SC Johnson College of Business, Cornell University</b> , Ithaca, USA	<b>Jan. 2024 - Present</b>
	Advised by Professor Ruihao Zhu	
HONORS AND AWARDS	<i>Finalist</i> , INFORMS Data Mining Best Theoretical Paper Award	<b>2024</b>
	<i>Finalist</i> , INFORMS Conference on Quality, Statistics, and Reliability Best Paper Competition	<b>2024</b>
	National Scholarship (top scholarship in China; 0.2% domestically), Ministry of Education	<b>2022</b>
	Fan Hsu-Chi Scholarship (15 students), Shanghai Jiao Tong University	<b>May 2023</b>
	John Wu and Jane Sun Outstanding Scholarship (top scholarship in JI; 10 students), UM-SJTU Joint Institute	<b>Oct. 2023</b>
	Silver Medal. The University Physics Competition	<b>Jan. 2023</b>
	Top 10 in China. Deloitte Digital Difference Camp	<b>May 2022</b>
JOURNALS UNDER REVIEW AND WORKING PAPERS	<b>Satisficing Exploration in Bandit Optimization</b> Qing F, Tianyi M, Ruihao Z (2024)	
	Approximating the Performance of Three-State Emergency Service Systems. Working paper. Tianyi M, Cheng H (2024)	
	Exploring Drug Candidates: All $\epsilon$ -Best Arm Identification in Linear Bandit Zhekai L, Tianyi M, Cheng H, Ruihao Z (2024)	
PROFESSIONAL SERVICE	<b>UM-SJTU Joint Institute, Writing Center</b>	<b>Sept. 2022 - Present</b>
	<i>Writing Consultant</i> Advise and edit more than 50 essays and personal statements.	
TEACHING EXPERIENCE	<b>UM-SJTU Joint Institute, MATH1860J, Honors Mathematics II</b>	
	<i>Teaching Assistant</i>	<b>Sept. 2022 - Dec. 2022</b>
	Enrollment: 162, honor course for undergraduate foundation	