

# Tianyi Ma

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CONTACT INFORMATION	sean_ma@sjtu.edu.cn +86 138 0160 1830	<a href="https://tianyima02.github.io/">https://tianyima02.github.io/</a> +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> The Sam and Daisy Wu Scholarship (top research scholarship in JI; 6 students), UM-SJTU Joint Institute <b>Oct. 2024</b> National Scholarship (top scholarship in China; 0.2% domestically), Ministry of Education <b>2024</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>	
JOURNALS UNDER REVIEW AND WORKING PAPERS	<b>Satisficing Exploration in Bandit Optimization.</b> Q. Feng, T. Ma, and R. Zhu (2024)  Exploring Drug Candidates: All $\epsilon$ -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)	
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

**UM-SJTU Joint Institute, MATH1860J, Honors Mathematics II**

*Teaching Assistant*

**Sept. 2022 - Dec. 2022**

Enrollment: 162, honor course for undergraduate foundation