

JINGYI TIAN PH.D.

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Personal Website

ACADEMIC APPOINTMENT	C.T. Bauer College of Business, University of Houston <i>Postdoctoral Fellow, Bauer Human-Centered AI Institute</i> <ul style="list-style-type: none">• Supervisor: Meng Li	Houston, TX 2023 - Present
EDUCATION	Department of Economics, University of Southern California <i>Ph.D. in Economics (GPA 3.92/4)</i> <ul style="list-style-type: none">• Advisors: Jonathan Libgober, Guofu Tan & Afshin Nikzad Department of Economics, Duke University <i>Master of Arts in Economics</i> Business School, University of Hong Kong <i>Bachelor of Science in Economics and Finance</i>	Los Angeles, CA 2017 - 2023 Durham, NC 2015 - 2017 Hong Kong, HK 2012-2015
RESEARCH INTERESTS	Topics: Digital Platforms, Artificial Intelligence, Data-Driven Marketing, Dynamic Pricing in Multi-Sided Market Methodologies: Game Theory, Deep Neural Network (DNN), Information Design, Optimization, Dynamic Programming, Auction Theory	
WORKING PAPERS	<ul style="list-style-type: none">• Algorithmic Bidding in Procurement Auctions, with Meng Li & Xianghua Wu.<ul style="list-style-type: none">– Invited talk at POMS Conference, 2024– Invited talk at INFORMS Annual Meeting, 2024– Submitting to <i>Management Science</i>• Imitative Entry and Product Loyalty, with Meng Li.<ul style="list-style-type: none">– Revision requested at <i>Production and Operations Management</i>• Trading off Qualities for Quantities in Matching for Bargaining<ul style="list-style-type: none">– Accepted to Boston University Platform Strategy Research Symposium (Long talk), 2024– To be submitted soon	
SELECTED WORK IN PROGRESS	<ul style="list-style-type: none">• Voluntary Partial Disclosure on Digital Platforms, with Anthony Dukes & Meng Li.• Learning with Selective Exposure in Social Networks	

TEACHING EXPERIENCE	Instructor HPE Data Science Institute, University of Houston <ul style="list-style-type: none"> • Data Analysis and Visualization in Excel & Power BI (Ph.D., MBA, MS), Fall 2023 • Data Analysis and Visualization in Excel & Power BI (Ph.D., MBA, MS), Spring 2025 (scheduled)
	Teaching Assistant Marshall School of Business, University of Southern California <ul style="list-style-type: none"> • Topics in Microeconomics (Ph.D.), Spring 2020
	Teaching Assistant Department of Economics, University of Southern California <ul style="list-style-type: none"> • Games and Economics (MS, undergraduate), Fall 2018-2021 • Experimental Economics (MS, undergraduate), Fall 2018-2021 • International Trade (MS, undergraduate), Spring 2022 • Introduction to Macroeconomics (undergraduate), Spring 2019-2021, 2023
CONFERENCE PRESENTATIONS AND INVITED TALKS	<ul style="list-style-type: none"> • Algorithmic Bidding in Procurement Auctions <ul style="list-style-type: none"> – POMS Annual Conference, Minneapolis, MN 2024 – INFORMS Annual Meeting, Seattle, WA (scheduled) 2024 – University of Toronto Rotman Young Scholar Seminar 2024 – University of Houston Bauer Human-Centered AI Institute Seminar Series 2024 • Trading off Qualities for Quantities in Matching for Bargaining <ul style="list-style-type: none"> – Boston University Platform Strategy Research Symposium, Boston, MA 2024 – ASSA Annual Meeting, New Orleans, LA 2023 – University of Southern California, Microeconomics Theory Seminar Series 2022 – Stanford University SIEPR Women in Economics and Business Workshop 2019
	Speaker Sharpstown International School: Professional Development-Artificial Intelligence Course, 2024 <ul style="list-style-type: none"> • Presented fairness and ethical concerns surrounding the adoption of artificial intelligence, emphasizing caveats and potential risks in educational applications.
WORK EXPERIENCE AND INDUSTRY COL- LABORATIONS	Research Assistant University of Southern California, 2018-2023 <ul style="list-style-type: none"> • Created novel economic models for 5 projects concerning platform business in digital markets, including demand estimation and the optimal operational design. • Executed quantitative analyses with large-scale network data using Python to identify causal relationship between the targeting information diffusion and the consumers' adoption behavior in multi-sided markets • Tested model predictions using the Naive Bayes algorithm in machine learning
	Marketing Consultant Intern Orient ES Group, Hong Kong, 2015 <ul style="list-style-type: none"> • Engaged in 4 investment projects with teams and assessed local market environment subject to relevant policies • Generated quantitative analyses of the company's investment proposal and forecasted profitability using statistical models. • Drafted reports based on client's objectives in targeting markets
PROFESSIONAL SERVICES	Reviewer <i>Management Science, Production and Operations Management(POM), Rand Journal of Economics</i>
	Discussant <i>Boston University Platform Strategy Research Symposium, 2024</i>
	Committee Board Member <i>USC Women in Economics, 2019-2022</i>
	Member <i>INFORMS, POMS, AEA</i>

AWARDS AND HONORS	• Dean's List (top 5%), USC Department of Economics	2017-2019
	• Dornsife Economics Merit Award, USC Department of Economics	2017-2022
	• Dean's List, Duke University Department of Economics	2016-2017
	• HKSAR Government Scholarship Fund	2012-2015
	• HKU Foundation Scholarship for Outstanding Mainland Student	2012-2015
SKILLS	Programming Languages: Python, C++, MATLAB	
	Data Analysis: R, STATA, MySQL, Power BI	
	Languages: Mandarin Chinese(native), English (fluent)	
REFERENCES	Meng Li	
	Professor, Director of Bauer Human-Centered AI Institute	
	Decision and Information Sciences, C.T. Bauer College of Business	
	University of Houston	
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	Jonathan Libgober	
	Assistant Professor of Economics	
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	Guofu Tan	
	Professor of Economics	
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	Assistant Professor of Economics	
	University of Southern California	
	Co-founder at Stealth Reliable AI Startup	
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