

JINGYI TIAN PH.D.

Melcher Hall 290A
University of Houston
Houston, TX 77004

(+1) 919-599-6647
jtian6@central.uh.edu
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	Los Angeles, CA 2017 - 2023
	Department of Economics, Duke University <i>Master of Arts in Economics</i>	Durham, NC 2015 - 2017
	Business School, University of Hong Kong <i>Bachelor of Science in Economics and Finance</i>	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

- 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

- Topics in Microeconomics (Ph.D.), Spring 2020

Teaching Assistant | Department of Economics, University of Southern California

- 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

• **Algorithmic Bidding in Procurement Auctions**

- 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**

- 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

WORK
EXPERIENCE AND
INDUSTRY COL-
LABORATIONS

Speaker | Sharpstown International School: Professional Development-Artificial Intelligence Course, 2024

- Presented fairness and ethical concerns surrounding the adoption of artificial intelligence, emphasizing caveats and potential risks in educational applications.

Research Assistant | University of Southern California, 2018-2023

- 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

- 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	<p>Reviewer <i>Management Science, Production and Operations Management(POM), Rand Journal of Economics</i></p> <p>Discussant <i>Boston University Platform Strategy Research Symposium, 2024</i></p> <p>Committee Board Member <i>USC Women in Economics, 2019-2022</i></p> <p>Member <i>INFORMS, POMS, AEA</i></p>
AWARDS AND HONORS	<ul style="list-style-type: none"> • 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	<p>Programming Languages: Python, C++, MATLAB</p> <p>Data Analysis: R, STATA, MySQL, Power BI</p> <p>Languages: Mandarin Chinese(native), English (fluent)</p>
REFERENCES	<p>Meng Li Professor, Director of Bauer Human-Centered AI Institute Decision and Information Sciences, C.T. Bauer College of Business University of Houston <i>Email: mli@bauer.uh.edu</i></p> <p>Jonathan Libgober Assistant Professor of Economics University of Southern California <i>Email: libgober@usc.edu</i></p> <p>Guofu Tan Professor of Economics University of Southern California <i>Email: guofutan@usc.edu</i></p> <p>Afshin Nikzad Assistant Professor of Economics University of Southern California Co-founder at Stealth Reliable AI Startup <i>Email: afshinni@usc.edu</i></p>