Thomas H. Li

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EDUCATION

Stanford University | Graduate School of Business — Palo Alto, CA
Ph.D. in Quantitative Marketing — 2025 – 2030

University of Pennsylvania | School of Engineering and Applied Science — Philadelphia, PA
M.S.E. in Data Science — 2023 – 2025

University of Pennsylvania | College of Arts and Sciences — Philadelphia, PA
B.A. in Mathematical Economics (with Honors) — 2021 – 2025
Summa Cum Laude, Phi Beta Kappa

HONORS, AWARDS, & GRANTS

Jaedicke Merit Award (Stanford GSB) — 2025
Phi Beta Kappa (Penn) — 2025
Shanbaum Prize for Excellence in Undergraduate Economics (Penn) — 2025
Kanta Marwah College Alumni Society Undergraduate Research Grant (Penn) — 2024
Simon Kuznets Fellowship Award in Economics (Penn) — 2024
Penn Undergraduate Research Mentoring Grant (Penn) — 2022

RESEARCH & WORK EXPERIENCE

Computational Social Science Lab at Penn — Philadelphia, PA
Research Assistant for Dr. Francisco Barreras & Dr. Duncan Watts — 2023 – 2025

Federal Reserve Board of Governors — Washington, DC
Economic Research Intern for Dr. Juan Londono & Dr. Sai Ma — 2023 – 2024

Behavior Change for Good Initiative — Philadelphia, PA
Research Assistant for Dr. Katy Milkman & Dr. Angela Duckworth — 2022 – 2023

TEACHING EXPERIENCE

Teaching Assistant, CIS 1600 (Discrete Mathematics for Computer Science), Penn — 2023
Writing Fellow, WRIT 0200 (Critical Writing Seminar), Penn — 2023

PUBLICATIONS

[1] **Thomas H. Li**, Juan M. Londono, & Sai Ma (2025). "The Global Transmission of Inflation Uncertainty." *FEDS Notes*.

WORKING PAPERS

[1] **Thomas H. Li** & Francisco Barreras. "A Synthetic Dataset and Sandbox Environment for Analysis of Pre-processing Algorithms for GPS Human Mobility Data." arXiv preprint.

[2] Francisco Barreras, **Thomas H. Li**, & Duncan J. Watts. "Trajectory Mining in the Face of High Sparsity."

CONFERENCE PRESENTATIONS

[1] **Thomas H. Li**, Francisco Barreras, & Duncan J. Watts (2024). "Trajectory Data Mining in Highly Sparse Location Datasets." *10^{th} International Conference on Computational Social Science.* (Parallel Talk)

SKILLS

Coding Languages: Python; R; MATLAB; Java; Stata; SQL; Bash
Technical Software: Git; AWS Cloud Computing (EC2); LaTeX; Excel

PERSONAL

Citizenship: United States of America
Languages: English (fluent), Mandarin Chinese (near-native proficiency)
Interests: Drums; Guitar; Running; Watches; Podcasts