James Han

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EDUCATION

Yale University, New Haven, CT — Graduated May 2024
BA in Economics and Mathematics, GPA: 3.98/4.0

Stanford University, Stanford, CA — Expected Graduation June 2030
PhD Student in Economics

RESEARCH INTERESTS

- Industrial Organization in Environmental Markets
- Mechanism and Information Design

RESEARCH EXPERIENCE

Yale University Zack Cooper Lab, New Haven, CT
Research Assistant, Full-Time May 2020 – Sep 2021; May 2022-Aug 2022; June 2023-Sep 2023
Research Assistant, Part-Time Sep 2021- Dec 2021; Aug 2022-Dec 2022; Sep 2023-May 2024

- Coauthored paper on medical debt litigation in Wisconsin
- Presented research to economics faculty at Yale and other peer institutions in weekly meetings
- Analyzed >120 million health insurance claims to study the societal costs of vertical integration in healthcare.
- Designed algorithm to calculate physician practice value for antitrust research on physician mergers and acquisitions
- Drafted policy briefs for nationwide academic project condensing academic papers into policy that would collectively reduce US healthcare spending by 9%, or over 340 billion dollars.

Yale University Samuel Kortum Lab, *Research Assistant, Part-Time*, New Haven, CT — Feb 2023-Sep 2023

- Analyzed and presented research papers to guide the calibration of an international carbon taxation model
- Derived mathematical implications of extending an international carbon taxation model using intermediate goods.
- Simplified mathematical derivations and drafted concise explanations for use in publication

Stanford University Allan Hsiao Lab, *Research Assistant, Part-Time*, Stanford, CA — June 2025-Present

- Specified and estimated demand system for critical minerals
- Wrote model of political economy for petroleum versus renewable energy competition
- Wrote models of political competition during industrial transition

TEACHING EXPERIENCE

Brainiac LLC, San Antonio, TX

- Provided tutoring for AP Macroeconomics, student earned A in course and 5 on AP exam.
- Designed supplementary lessons on central banking and macro growth modeling.

Private Tutoring

- Tutored dozens of students in preparation for SAT, ACT, AP Calculus, AP World History, AP US History exams
- Students gained average 200+ points in SAT, 4+ points in ACT, and earned 5's on all AP exams
- Designed custom lessons after diagnostic sessions to improve student test-taking skills and command of knowledge

PUBLICATIONS

- Cooper, Zack, Han, James, Mahoney, Neale. "Hospital Lawsuits Per 1,000 Residents in Wisconsin Increased by 37% from 2001 to 2018", *Health Affairs*, Vol. 12, No. 40

SKILLS

- *Computer Languages:* Stata, Python, Julia, R, SQL, C
- *Data Analysis:* Competent in sample collection, data cleaning, data visualization, and advanced econometric methods