

# Guozhen (Gordon) Ji - CV

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## Education

<b>2020-2026(exp.)</b>	PhD, Economics, University of Texas at Austin <u>Field courses</u> - Empirical Industrial Organization, Econometrics <u>Research Interests</u> - <i>Industrial Organization, Market Design, Urban Economics, Transportation Economics</i>
<b>2014-2018</b>	BS w/ General Honors, Statistics and Economics, University of Chicago

## References

Eugenio Miravete	University of Texas at Austin, eugenio@utexas.edu
Robert Town	University of Texas at Austin, robert.town@austin.utexas.edu
Jackson Dorsey	University of Texas at Austin, jackson.dorsey@austin.utexas.edu
Andrey Ordin	University of Texas at Austin, andrey.ordin@mcombs.utexas.edu
Alon Bergman	University of Pennsylvania, Wharton School of Business, alonberg@wharton.upenn.edu

## Honors and Scholarships

<b>2022</b>	Outstanding 2nd Year Paper Award, University of Texas at Austin
<b>2020-Present</b>	Graduate Fellowship, University of Texas at Austin

## Research

### Working Papers

- Autumn 2025** “Rain or Shine? Optimal Utility Pricing under Different Weather Patterns” (Job Market Paper)
- Designed and executed a study on the welfare and distributional impacts of nonlinear pricing regulations under volatile, weather-driven demand.
  - Developed a structural demand model integrating household utility data with satellite-derived GIS vegetation data.
  - Quantified that extreme weather imposes a disproportionate welfare loss on low-income households, averaging over \$74 per month, highlighting the need for complementary policies beyond pricing.
- Fall 2022** “Spatial Heterogeneous Consumers: The Welfare Effect of UberPool”  
*Outstanding 2nd Year Paper Award*
- Quantified the consumer surplus impact of UberPool as a new product introduction, accounting for heterogeneous consumer preferences across geographic locations.
  - Demonstrated that the introduction of a shared-ride option increased consumer surplus by over 30%, highlighting the significant value of product variety in a real-world sharing economy marketplace.

### Work in Progress

- Spring 2024** “Constrained Price Discrimination on Value of Time”
- Developed a structural model to analyze dynamic pricing mechanisms on tolled roads, a form of price discrimination on the value of time.
  - Conducted a counterfactual analysis to explore the welfare effects of different policies on toll design and infrastructure investments.

## Teaching Experience

### Assistant Instructor

- Fall 2024** ECO 329, Economic Statistics, with a rating of 3.9
- Summer 2024** ECO 329, Economic Statistics, with a rating of 4.0
- Fall 2023** ECO 329, Economic Statistics, with a rating of 3.9
- Summer 2023** ECO 329, Economic Statistics, with a rating of 4.0

### Teaching Assistant

- Fall 2025** ECO 101S, Economics to Career, Hong Tran Escobar
- Spring 2025** ECO 441K, Introduction to Econometrics, Brendan Kline, Helen Schneider, with a rating of 4.3
- Spring 2024** ECO 320L, Macroeconomic Theory, Andreas Mueller, with a rating of 4.4
- Spring 2023** ECO 441K, Introduction to Econometrics, Brendan Kline, Helen Schneider
- Fall 2022** ECO 441K, Introduction to Econometrics, Daniel Ackenberg, Haiqing Xu
- Fall 2022** ECO 354M, Experimental Economics, Charity-Joy Acchiardo, with a rating of 4.5
- Summer 2022** ECO 304L, Introduction to Macroeconomics, Charity-Joy Acchiardo
- Spring 2022** ECO 330T, Experimental Economics, Charity-Joy Acchiardo, with a rating of 4.0
- Fall 2021** ECO 330T, Experimental Economics, Charity-Joy Acchiardo, with a rating of 4.7

## Mentorship

### Undergraduate Research Mentor

- Fall 2022 - Present** Priyansh Dhandha, University of Texas at Austin

## Professional Experience

**Summer Associate**, The Brattle Group  
*Washington, DC*

**Summer 2025**

- Contributed to the liability phase of a litigation case to quantify the impact of a health insurer's alleged monopoly power against a hospital system.
- Crafted compelling, data-driven arguments by creating a sophisticated econometric model for the "but-for" scenario, directly contributing to final damage calculations.
- Translated complex model outputs into a clear, data-driven narrative for the final liability report, effectively serving as a data storyteller for legal and business stakeholders.
- Managed 5 project work streams from raw data processing, statistical analysis, and short-term deliverables, directly leading 2 research analysts on individual streams to produce key GIS visualizations and econometric evidence for the case.

## Research Assistantship

**Senior Research Associate** (for Stephen Redding & Oleg Itskhoki) - Full Time  
**Jun 2018 - Jun 2020** Princeton University

**Research Assistant** (for Richard Hornbeck) - Part Time  
**Jun 2017 - Jun 2018** University of Chicago, Booth School of Business

## Skills

### ■ Technical Skills

#### **Econometric & Statistical Modeling**

Causal Inference, Discrete Choice Models (Logit, BLP), Nonlinear Budget Constraints, Welfare Analysis

#### **Data Analysis & Programming**

*Languages:* Python, R, Stata, MATLAB, SQL

*Libraries:* Scikit-learn, Panda, NumPy, SciPy, Jax.Jit, dplyr, Tidyverse, ggplot2

#### **Data Engineering & Tools**

*Databases:* PostgreSQL, Relational Data Operations (Joins, Aggregations), ETL Processes

*Developer Tools:* Git, Jupyter Notebook, VS Code

*Geospatial:* ArcGIS (Arcpy), Google Earth Engine (geemap)

### ■ Language Skills

*English*, Native or bilingual proficiency

*Mandarin*, Native or bilingual proficiency