

# Siru Liu

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## BIO

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I am an applied economist specializing in matching market design, experimental and public economics. I design experiments to study subjects' behavior and use quasi-experiments to address real-world questions. My PhD training has strengthened critical thinking, collaboration, communication, and the ability to translate economics concepts and data to diverse audiences.

## EDUCATION

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- 2026 Ph.D. in Economics (expected)  
Georgia State University, GA, United States
- 2020 M.S. in Economics  
University of WisconsinMadison, WI, United States
- 2017 Bachelor in Financial Management  
Southwestern University of Finance and Economics, Chengdu, China

## JOB MARKET PAPER

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### **School Choice with Incomplete Preferences: An Experimental Study**

- Designed and implemented a lab experiment to study the performance of the Deferred Acceptance (DA) mechanism and the Top Trading Cycle (TTC) mechanism when students can express incomplete preferences through pairwise comparisons
- Key findings:
  1. DA elicits higher overall truthful preference reporting rates than TTC.
  2. Individual truthful reporting significantly increases efficiency and fairness of assignments.
  3. Students with incomplete preferences could benefit their peers.

## WORKS IN PROGRESS

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### **DMV Information Provision and Organ Transplantation**

- Studied the effect of Department of Motor Vehicle (DMV) information provision on organ transplantation from deceased donors using the staggered difference-in-difference estimation.
- Findings:
  1. Providing written educational materials during driver's license applications and renewals increases transplants by 14-35% per zip code-year.
  2. Treatment effects grow over time: modest impacts in the first two years (11% increase) strengthen to 29-35% increases by years 11-15.

### **Social Dilemma with Endogenous Resources** [with Eye Eoun Jung, Wen Lu, and Ben Mosier IV]

- Investigated how the origin of shared resources in social dilemma games influences individual behavior by distinguishing between endogenous resources and exogenous resources.
- Findings:
  1. Subjects behave less cooperatively when group account balances are endogenously low.
  2. 50% of subjects have conditional other-regarding preferences when group account balances are exogenous.

### **TEACHING EXPERIENCE**

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**Instructor** to Mathematical Economics (Undergraduate), Georgia State University  
Fall 2024

**Instructor** to Principles of Macroeconomics (Undergraduate), Georgia State University  
Spring 2024

Teaching Assistant to Microeconomics II (PhD), Georgia State University  
Spring 2025

Teaching Assistant to Global Economics (Undergraduate), Georgia State University  
Fall 2024

Teaching Assistant to Applied Statistics and Econometrics (Master), Georgia State University  
Spring 2024, Fall 2023

Teaching Assistant to Intermediate Microeconomics (Undergraduate), Spelman College  
Spring 2023, Fall 2022, Fall 2021

### **CONFERENCES AND WORKSHOPS**

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- 2024      Southern Economic Association (SEA) Annual Meeting,  
              presenting "School Choice with Incomplete Preferences"
- 2024      Western Economic Association International (WEAI) Annual Conference,  
              presenting "School Choice with Incomplete Preferences"
- 2024      enCOREage workshop

### **GRANTS AND AWARDS**

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- 2024      AYS Dissertation Fellowship, Georgia State University
- 2024      CEAR Scholar, Georgia State University
- 2023      The E.D. "Jack" Dunn Fellowship, Georgia State University
- 2020      The Dean's Fellowship, Georgia State University

### **SOFTWARE AND SKILLS**

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Programming & Tools: Stata, Python, R, Excel, Qualtrics

Analytical Methods: Causal inference, Experimental design