

Siru Liu

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EDUCATION

Ph.D. in Economics (GPA: 3.9)	<i>Georgia State University</i>	Expected 2026
M.S. in Economics (GPA: 3.9)	<i>University of Wisconsin – Madison</i>	2020
Bachelor in Financial Management	<i>Southwestern University of Finance and Economics</i>	2017

DATA SCIENCE EXPERIENCE

Mechanism Designer | School Choice with Incomplete Preferences

- Designed and executed controlled experiments with 264 participants to evaluate market mechanisms, managing data collection, experimental protocols, and IRB compliance
- Built statistical models (logistic regression) to analyze decision-making behavior, identifying 5–8x welfare gains from truthful reporting
- Developed Python and Stata pipelines for data cleaning, analysis, and visualization

Applied Econometrician | DMV Information Provision and Organ Transplantation

- Analyzed 30 years of nationwide transplant data (1M+ observations) using difference-in-differences and event study methods to estimate policy impact
- Identified 14-35% increase in organ transplants from low-cost interventions, demonstrating dynamic treatment effects strengthening over 15-year horizon

Data Analytics Consultant | Career Platform Effectiveness Study

- Advised Wharton EMBA team on evaluating career platform effectiveness on job placements
- Developed analytical framework, recommended regression models, and delivered sample code

Research Assistant | Online WIC Shopping Store Project

- Built an experimental online shopping store by sampling from Walmart product database
- Programmed pre- and post-shopping questionnaires in Qualtrics to assess user experience

TEACHING EXPERIENCE

Instructor, Principles of Macroeconomics; Mathematical Economics, *GSU* 2024

Teaching Assistant, Global Economics, Applied Statistics and Econometrics (Master), Microeconomics II (PhD), Intermediate Microeconomics, *GSU* and *Spelman College* 2021-2025

SOFTWARE AND SKILLS

Programming & Tools: Stata, Python, R, SQL, Microsoft Suite (Word, Excel, PowerPoint), Qualtrics

Analytical Methods: Causal inference (Difference-in-Differences, Event studies, Synthetic control, Regression discontinuity, Instrumental variables), Experiment and Survey design, A/B Testing

GRANTS AND AWARDS

Competitive Research Grants (\$10,880): AYS Dissertation Fellowship, CEAR Scholar, 2023-2025

Langdale Chair Foundation, The E.D. "Jack" Dunn Fellowship, *GSU*

The Dean's Fellowship (\$24,000), *GSU* 2020-2023