

# Raghav Warriier

raghavwarrier9@gmail.com | +1 (602) 980-2270 | [github.com/raghavwarrier09](https://github.com/raghavwarrier09)

## EDUCATION

---

### Barrett, The Honors College, Arizona State University

*B.S. in Mathematics, B.S. in Computer Science, Minor in Economics*

**GPA: 4.00/4.00**

*Spring 2024*

**Relevant Coursework:** Real Analysis, Probability, Mathematical Statistics, Differential Equations, Linear Algebra, Econometrics, Advanced Microeconomics, Intermediate Macroeconomics, Deep Neural Networks, Machine Learning, Artificial Intelligence

**Awards and Honors:** Moeur Award, *Summa cum laude*, Dean's List (8/8), National Merit and New American University Scholar

**Languages, Tools, and Frameworks:** Julia, R, Python, Matlab, Stata, C/C++, L<sup>A</sup>T<sub>E</sub>X, Git, AWS EC2, Gurobi, Markdown

## RESEARCH EXPERIENCE

---

### Becker Friedman Institute for Economics, University of Chicago

*Pre-Doctoral Research Professional*

**Chicago, IL**

*July 2024 - Present*

- **NIT and Labor Supply (Co-author):** Developing a Julia package that uses observed variation in taxes to bound labor supply elasticities defined by an underlying labor supply model
- Building a robust pipeline for querying, cleaning, and processing data from the U.S. negative income tax experiments
- **Program Evaluation with IV:** Constructing and solving fractional linear programs using Gurobi to partially identify treatment effects in program evaluation settings when standard IV assumptions are insufficient or violated
- Implementing a parallelized workflow to interface with AWS EC2 to solve large-scale optimization programs

### Department of Economics, Arizona State University

*Honors Thesis*

**Tempe, AZ**

*March 2023 - May 2024*

- Completed and defended honors thesis titled *Testable Implications of Disappointment Aversion*, advised by Edward Schlee
- Developed a new choice implication of the disappointment aversion model, showing that disappointment-averse investors increase investment into a risky asset when faced with a monotone likelihood ratio improvement in the asset's distribution

### Harvard Business School

*Summer Research Fellow - Program for Research in Markets and Organizations (PRIMO)*

**Boston, MA**

*June 2023 - August 2023*

- Selected for the competitive PRIMO Fellowship, a 10-week summer program for high-achieving undergraduate students from a diverse range of U.S. accredited universities who are paired with different faculty members to aid in their research
- Worked under Shane Greenstein to analyze market structures and entry/exit patterns in the U.S. wireless product market
- Cleaned FCC wireless market firm and product data, computed descriptive statistics and analyzed trends, and presented findings to a student and faculty panel

### Department of Economics, Arizona State University

*Undergraduate Research Assistant*

**Tempe, AZ**

*June 2022 - May 2023*

- Assisted Kelly Bishop and co-authors on a paper studying the effect of changes in the user cost of housing on home ownership rates (*Accepted at the Journal of Urban Economics*)
- Performed a comprehensive literature review of 30+ papers surrounding home ownership subsidies and user cost of housing
- Built a ZCTA-Census PUMA crosswalk for a data visualization application, enabling users to explore their local user cost

### Federal Reserve Board of Governors

*Economic Research Intern*

**Washington D.C.**

*May 2022 - August 2022*

- Assisted Chief Economist Elliot Anenberg on a paper studying the effect of inflation on housing prices during COVID-19
- Derived county-level migration rates from the Equifax Consumer Credit Panel (15+ million obs.) to use as a regression control
- Developed a PostgreSQL database and accompanying web application to streamline access to house pricing data

### Stanford Graduate School of Business

*Research Assistant*

**Palo Alto, CA**

*June 2021 - November 2021*

- Assisted Huggy Rao and co-authors on a paper studying the association between foot traffic in social gathering locations and community health and financial well-being
- Cleaned and aggregated communal space foot traffic data from Unacast (30+ million obs.), and used panel data methods to estimate the association between foot traffic and small business growth and bankruptcy filings

## OTHER WORK & VOLUNTEER EXPERIENCE

---

### The Economics Review at ASU

*Founder & Editor-in-Chief*

**Tempe, AZ**

*May 2022 - May 2024*

- Founded ASU's first undergraduate peer-reviewed economics publication featuring op-eds, review articles, and senior theses
- Managed a team of six editors, oversaw article review process, and facilitated annual economics writing competition

### Economics Tutoring Center, W.P. Carey School of Business

*Economics Course Tutor*

**Tempe, AZ**

*January 2023 - May 2024*

- Hosted daily problem set sessions, exam review sessions, and one-on-one content teaching sessions for two empirical Python-based courses, intermediate microeconomic theory, and econometrics, each with over 20 students

### Student Economics Association

*President*

**Tempe, AZ**

*May 2022 - May 2023*

- Managed an executive board of six members and coordinated career panels, guest speakers, and community volunteer events