

# Tim Hua

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Website: [timhua.me](http://timhua.me)

## EDUCATION & SKILLS

### Middlebury College

BA, *summa cum laude*, Economics (GPA 3.97/4.00)

Middlebury, VT

May 2023

Honors: **D.K. Smith Economics Prize for best thesis** (*Fox News's Effect on Social and Moral Preferences*). Christian A. Johnson Prize in Economics for highest GPA in economics.

Relevant coursework: Advanced Macro Theory & Policy, History of the Firm, Measure Theoretic Probability (independent study), Advanced Econometrics (independent study).

### Harvard College

Visiting Student (GPA: 4.0/4.0)

Cambridge, MA

2021 - 2022 School Year

Coursework: Intermediate Microeconomics: Advanced, Great Theorems of Microeconomic Theory, Political Economy of Economic Development (MIT), Probability, Statistics, Real Analysis (MIT).

**Technical Skills:** Advanced ggplot2 and R. Fluent in SQL, Python, Stata, Qualtrics, and LaTeX.

## EXPERIENCES

### Walmart Economics

Data Scientist

New York, NY

July 2023 – Present

- Working under Chief Economist John List.
- Applied advanced econometrics methods (synthetic DiD and Chernozhukov, Wüthrich, & Zhu 2021) to evaluate a policy change in California.
- Collaborating with last mile delivery team on incentives for Walmart's delivery drivers.
- Designed and evaluated numerous experiments.
- Designing an experiment to estimate heterogeneity in incentive cost-effectiveness using instrumental random forests to optimize targeting.

Intern

June 2022 - September 2022

- Responsible for grouping Walmart stores into pricing zones for clustered pricing experiment.
- Constructed weighted network of Walmart stores using 20TB+ of consumer data.
- Devised and benchmarked graph partitioning algorithms to create pricing zones.
- My Pricing zones are still in use today for various experiments at Walmart.

### Harvard Economics Department

Course Assistant for Professor Edward Glaeser

Remote

June 2022 – Dec 2022

- Wrote sections in the textbook of Econ 1011a: Intermediate Microeconomics: Advanced.

### Harvard Kennedy School

Research Assistant for Professor Desmond Ang

Cambridge, MA

March 2022 – July 2022

- Scraped tvtropes.org for an exploratory project investigating stereotypes in films.

### Brookings Institution

Research Assistant for Professor Carol Graham

Remote

June 2021 – May 2022

- Coauthor on paper examining mental and physical ill-being during COVID.
- Cleaned, analyzed, and wrote up findings using data from the Household Pulse, NHIS, and BRFSS. Contributed to literature review and data summary.

### Middlebury Economics Department

Research Assistant for Professor Marin Abel

Middlebury, VT

September 2020 - March 2021

- Investigate how different compensation schemes could help close the behavior-intention gap.

### Independent Research Project: COVID-19 Tweets

Primary Investigator and Project Manager

Bellevue, WA & Middlebury, VT

July 2020 - February 2021

- Lead author and pushed our paper in the *Journal of Student Research* during my third semester at college (I took a gap semester).