

# Tim Hua

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

## EDUCATION

### 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 having the highest GPA in economics.

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

### Harvard College

Visiting Student, GPA: 4.00/4.00

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 Python, Stata, SQL, Qualtrics, and LaTeX.

## EXPERIENCES

### Walmart US

Data Scientist-Economics

Economist Intern

San Bruno, CA

Starting July 2023

June 2022 - September 2022

- Responsible for grouping Walmart stores into pricing zones.
- Wrote up graph partitioning algorithms, queried large (20 TB+) consumer data, created and benchmarked 200+ ways of putting stores into zones.
- Presented work to Economists such as John List and Chase Eck.
- Pricing zones were implemented in large scale (4500+ stores and 4000+ UPCs) pricing experiment at the end of August.
- Prices in Walmart stores today rely on the results from my work.
- Drafted pre-analysis plan on the effect of Walmart prices on competitor prices, the effect of competitor prices on demand at Walmart, and the general effect of competition on 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.

### 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. Also wrote sections of the literature review and data summary.
- Drew eleven graphs in the working paper using ggplot2.
- Answered questions from participants at a Brookings seminar.

### Middlebury Economics Department

Research Assistant for Professor Marin Abel

Middlebury, VT

September 2020 - March 2021

- Studied how different compensation schemes could help close the behavior-intention gap.
- Helped with writing various parts of the paper including literature review, data analysis, survey design and implementation.

### Independent Research Project: COVID-19 Tweets

Primary Investigator and Project Manager

Bellevue, WA & Middlebury, VT

July 2020 - February 2021

- Examined COVID-19 related tweets from governors and health experts with two former classmates. Professor Alex Lyford joined during the revision process as a fourth author.
- Wrote the majority of the paper, which was published in the *Journal of Student Research*.