

Tim Hua

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EDUCATION

Middlebury College

BA in Economics, GPA: 3.96/4.00

Coursework: Differential Equations, Abstract Algebra, Regression Analysis, Measure Theoretic Probability, Advanced Econometrics.

Thesis: *Cultural Effects of Fox News: Preferences and Voting Behavior*

Middlebury, VT

Expected Graduation: May 2023

Harvard College

Visiting Student, GPA: 4.00/4.00

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, and LaTeX.

Cambridge, MA

2021 - 2022 School Year

EXPERIENCES

Walmart US

Economist Intern

San Bruno, CA

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

- Writing sections in the textbook of Ec 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 influential 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*.