Tim Hua

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EDUCATION

Middlebury College Middlebury, VT

BA in Math and Economics, **GPA**: 3.96/4.00   Expected Graduation: May 2023

Coursework: Differential Equations, Abstract Algebra, Regression Analysis, Measure Theoretic Probability, Economics Thesis (Current).

Harvard College Cambridge, MA

Visiting Student, **GPA**: 4.00/4.00   2021 - 2022 School Year

Coursework: ECON 1011a: Intermediate Microeconomics: Advanced,
ECON 50: Using Big Data to Solve Economic and Social Problems,
Political Economy of Economic Development (MIT), Probability, Statistics, Real Analysis (MIT).

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

EXPERIENCES

Walmart US San Bruno, CA

Economist Intern   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 Remote

Course Assistant for Professor Edward Glaeser   June 2022 – Dec 2022

- Writing sections in the textbook of Ec 1011a: Intermedia Microeconomics: Advanced.

Brookings Institution Remote

Research Assistant for Professor Carol Graham   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 Middlebury, VT

Research Assistant for Professor Marin Abel   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   Bellevue, WA & Middlebury, VT

Primary Investigator and Project Manager   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*.