Tim Hua

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EDUCATION & SKILLS

Middlebury College   Middlebury, VT
BA, summa cum laude, Economics (GPA 3.97/4.00)   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   Cambridge, MA
Visiting Student (GPA: 4.00/4.00)   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   New York, NY
Data Scientist-Economics   July 2023 –
- Currently collaborating with the Spark Drivers team.

Economics Team 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.
- 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
- Wrote sections in the textbook of Econ 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 contributed to literature review and data summary.
- 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 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.*