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: 4.0/4.0)   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 Economics   New York, NY
Data Scientist   July 2023 – Present
- Working under Walmart 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.
- Designing an experiment and building a pipeline to estimate heterogenous treatment effects of driver incentives using doubly robust machine learning methods.

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, created 200+ ways to assign stores to pricing zones.
- Pricing zones were implemented in large scale (4500+ stores and 4000+ UPCs) pricing experiment at the end of August and still used today for experiments at 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.

Harvard Kennedy School   Cambridge, MA
Research Assistant for Professor Desmond Ang   March 2022 – July 2022
- Scraped tvtropes.org for an exploratory project investigating stereotypes in films.

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.

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.

Independent Research Project: COVID-19 Tweets   Bellevue, WA & Middlebury, VT
Primary Investigator and Project Manager   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).