

YUXI LIU

yuxi_liu@berkeley.edu · [Portfolio](#) · [Github](#) · [LinkedIn](#)

EDUCATION

University of California, Berkeley

Ph.D. in Computer Science

Sep 2020-Present

Berkeley, CA

- **Project:** Explaining the scaling laws of large neural networks.



Brigham Young University

Bachelor of Arts: Political Science

Provo, UT

EXPERIENCE



Dynata

Data Scientist, Marketing

(1yr 6mth) Aug 2022-Present

Herndon, VA

- **Led team (5 DS) to build a bayesian multi-touch attribution (PYMC) product measuring effectiveness of ad campaigns on brand lift surveys.** Outputting lift curves, channel contribution charts, and a simulation tool for client delivery.
- Regularly deliver advanced analytical studies (diff-in-diff, dominance analysis, time series, MTA). In total, delivered over 100 of these studies to clients including Google, Meta, ServiceNow, Chickfila.

MSI Honours Scholarship

2019

- Awarded by MSI to a student in the mathematical sciences entering the final honours year in a bachelor degree in the Mathematics honours program.



Morning Consult

Senior Data Analyst

(10mth) Nov 2021-Aug 2022

Washington, D.C.

- **Developed and automated wave-over-wave chi-squared tests on time series data** in 17 tracker surveys of 5 countries
- Over 300+ requests, pulled data from API or large database into R, wrangled data using R, and output figures and tables
- Led project to build a Python Web Bot (Selenium) to automate generation of test cases in surveys, contributed this to data science code base (used by 60+ data scientists)



Echelon Insights

Research Analyst

(1yr 8mth) April 2020-Nov 2021

Alexandria, VA

- Led in modeling projects **predicting election turnout for entire U.S. in 2022** analyzing over 460 million records.
- Wrangled, cleaned, weighted, or made presentations for 60+ survey datasets with R, SQL, and AWS
- Using R Shiny, built a codeless-crosstab tool for company's research team



Center for Elections and Democracy

Research Fellow

(1yr 5mth) Dec 2018-April 2020

Provo, UT

- Designed and executed multiple survey experiments in original research projects
- Mentored 60+ students in solving econometrics problems in weekly office hours
- Visualized data using R creating 50+ informative figures for AFS official report [\[here\]](#), news outlets, and professor's projects

SKILLS

Languages and Tools - *proficient:* Python, PyTorch; *competent:* Git, Bash, LaTeX, HTML, JavaScript. **Selected Coursework** - Deep Learning, Bayesian Machine Learning, Big Data Systems with Spark, Linear Models for Data Science, Statistical Learning, Data Engineering, Linear Algebra, Econometrics I & II, Data Visualization, Programming in Python

SELECTED PROJECT

Political Message Detection and Likeability in Films

April 2020

- Awarded by MSI to a student in the mathematical sciences entering the final honours year in a bachelor degree in the Mathematics honours program.