






Peter Zhang

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Education

University of California, Berkeley

Berkeley, CA

Computer Science, Economics, & Operations Research B.A., Public Policy Minor; 3.98 GPA

2020–2023

Coursework: ML+AI, Data Science, Econometrics+Inference, Macro+Micro, Behavioral Econ/Finance, Probability

Activities: Voyager Consulting, Traders at Berkeley, Debate Society of Berkeley, Daily Californian, CS Mentors, UPE

Experience

Berkeley Natural Language Processing

Berkeley, CA

Research Assistant for Ruiqi Zhong

Jan 2022–Present

- Fine-tune large language models (GPT, UnifiedQA, etc.) for social science applications, e.g. political slant.
- Built novel benchmark of 50+ interdisciplinary NLP tasks; improved algorithm efficiency to save compute.

Accuracy Lab

Berkeley, CA

Research Assistant under Prof. Don Moore

Sept 2022–Present

- Design and analyze surveys examining the influence of design and incentives on confidence in judgement.
- Lead research project comparing the relative calibration of humans and AI on natural language tasks.

Berkeley Economics

Berkeley, CA

Research Assistant for Prof. Ulrike Malmendier

Jan 2022–Present

- Scrape, format, and analyze dozens of datasets for behavior econ: macroeconomics, CEO pay, business activity.
- Review literature, draft/propose sections, and copy edit for book proposal about experience effects.

Uber Eats

San Francisco, CA

Data Analyst

Sep 2021–Dec 2021

- Segmented 2M eaters via a random forests, PCA, and clustering approach on massive behavioral dataset.
- Modeled effect of discounts on Eats pass conversion and provided strategy recommendations for each cluster.

Bill and Melinda Gates Foundation

Seattle, WA

Contract Consultant

Sep 2021–May 2022

- Synthesized 200+ research publications and interviewed 11 topic experts on medical product quality in Africa.
- Led team of 5 to deliver report and presentation with investment recommendations which informed client strategy.

Amazon Web Services

Arlington, VA

Software Development Engineer Intern

Jun 2021–Aug 2021

- Designed and developed a scalable, serverless tool to notify customers of service issues with a flexible API.
- Rapidly tested and iterated in an agile workflow, using Java/Typescript and AWS services (CDK/SQS/Lambda).

Center for Effective Global Action

Berkeley, CA

Research Apprentice

Jan 2021–May 2021

- To support Open Policy Analysis, developed an R Shiny/markdown showcase and drafted a set of guidelines.
- Working with authors, assessed and improved reproducibility for 5 papers using R, Stata, Python, and \LaTeX .

National Institute of Standards and Technology

Gaithersburg, MD

Economics Research Intern

May 2020–Sep 2020

- Annotated 57 papers on resilience planning to assess the role of co-benefits in recent benefit-cost analysis.
- Published user manual/case study for Edge\$, a decision-making software app to help community leaders.

National Cancer Institute

Rockville, MD


Research Assistant

Jul 2019–Oct 2021

- Scraped/reformatted 1+ billion gene expression data from cancer drug trials for efficient, on-demand user query.
- Developed R Shiny graphing/analysis app with one-click, Electron app, published first-author in Bioinformatics.

Skills

 **Fluent:** Python, Numpy/Pandas, R, Dash/Shiny, Java/Kotlin, \LaTeX , Git/Terminal, SQL, functional programming

 **Proficient:** Pytorch/Huggingface, C/C++, HTML (Liquid), CSS, JavaScript/React, Azure/AWS, WordPress