






Peter Zhang

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Education

University of California, Berkeley

Berkeley, CA

Computer Science, Economics, & Operations Research B.A. w/ Public Policy Minor; 3.97 GPA

2020–2024

Coursework: ML+AI, Data Science, Econometrics+Stochastics, Macro+Micro, Behav Econ/Finance, DS&A

Activities: Voyager Consulting, Debate Society of Berkeley, Computer Science Mentors, Daily Californian, UPE

Experience

Berkeley Natural Language Processing

Berkeley, CA

Research Assistant for Ruiqi Zhong

Jan 2022–Present

- Fine-tune various language models for economics applications: e.g. measuring slant, annotations
- Aggregate 20+ datasets to create a hypothesis generation test suite; developing MTurk annotation platform

Berkeley Economics

Berkeley, CA

Research Assistant for Prof. Ulrike Malmendier

Jan 2022–Present

- Scrape, format, and analyze dozens of datasets for behav 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.

Amazon Web Services

Arlington, VA

Software Development Engineer Intern

Jun 2021–Aug 2021

- Design and develop a scalable, serverless tool to notify customers of service issues with a flexible API and CLI
- Rapidly test and iterate 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–Apr 2020

- 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.

National Institute of Standards and Technology

Gaithersburg, MD


NLP Research Intern

Jun 2019–Aug 2019

- Designed rule-based Python scripts to preprocess corpora and construct subject-predicate-object tuples.
- Improved LDA topic modeling with root-and-rule preprocessing across multiple corpora, used for search tools.

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

Awards

Citadel West Coast Datathon, 3rd Place

Apr 2022

UC Berkeley Leadership Award; 2x Recipient

Jul 2020, Aug 2021

DSS x NIB Datathon for Social Good, 1st Place

Nov 2021

National Speech and Debate Tournament; 6th Place

Jun 2020