Peter Zhang

✉ petez@berkeley.edu ☎ (240) 994-2204 🖥 peterzha.ng 🐙 petezh 🔗 pjz

📚 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, LaTeX, Git/Terminal, Mandarin, Chess, Fried Rice
👌 **Proficient:** Pytorch/Huggingface, C, SQL, 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