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.

Susquehanna International Group   **Bala Cynwyd, PA**
Quantitative Trading Intern   Jun 2022–Aug 2022
– Designed and built NLP model to predict trading volume that was immediately used by traders in production.
– Completed rigorous finance/options curriculum; competed in mock trading and various strategic games.

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.

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).

Voyager Consulting   **Berkeley, CA**
Bill and Melinda Gates Foundation Project Leader/Advisor   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.
Intel Project Leader   Jan 2022–May 2022
– Benchmarked Intel Foundry Service competitors and built scrapers to extract data from investor reports.
– Led development of a dashboard to forecast competitor trends and analyze competitor customer bases.
Volvo Cars Consultant   Jan 2021–May 2021
– Compiled and analyzed 28 existing and novel on-demand car features based on industry/consumer research.
– Surveyed 2,000+ consumers with binary-search Gabor Granger technique to inform R Shiny breakeven model.
Monster Energy Consultant   Sep 2020–Dec 2020
– Quantified consumer interest in 55 flavors by analyzing industry reports, social media, and Google Trends data.
– Forecasted demand from 4.5M rows of CPG sales data to suggest products, 3 of which were implemented.

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.

Berkeley CS 61A   **Berkeley, CA**
Tutor/Content Mentor   Sep 2020–Present
  – Delivered 100+ hours of live instruction via section & lecture over 5 semesters.
  – Oversaw 25+ worksheets for 100 mentors and reduced production overhead by several hours.

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.

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.

The Bronx High School of Science   **Bronx, NY**
Assistant Debate Coach   Aug 2020–May 2021
  – Led 2 practices/week for 30+ Lincoln-Douglas debaters and drilled 1-on-1, qualifying to the nat. championship.
  – Judged and coached at 18 national, multi-day tournaments, providing strategic advice and feedback to competitors.

Premier Debate America   **Los Angeles, CA**
Product Manager/Writer   Dec 2018–Aug 2021
  – Led bi-monthly publication of 18 briefs with 200+ pages of topic research used by thousands of debaters.
  – Design and maintain premierdebate.com using Wordpress and CSS/Javascript with 140,000+ visitors since 2019.

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 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
Chevron x LBSA Case Competition, 1st Place	Apr 2022
Baidu x VSS Case Competition, 3rd Place	Nov 2021
Mastecard Case Competition, 3rd Place	Apr 2021
Venture Capital Investment Competition; National Finalist	Apr 2021