






# 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

### 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.

### Voyager Consulting

Berkeley, CA

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.

Gates Foundation Advisor

Sep 2021–Dec 2021

- Compiled 177 field studies and interviewed >10 experts to segment the substandard/fake drug market in Africa.
- Built interactive visualizations and regressions; presented 55-page report to former head of the UK MHRA.

### 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 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


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.

## 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

UC Berkeley Leadership Award; 2x Recipient

Jul 2020, Aug 2021

Baidu x VSS Case Competition, 3rd Place

Nov 2021

Gates Foundation Case Competition, Finalist

Nov 2021

Mastecard Case Competition, 3rd Place

Apr 2021

Venture Capital Investment Competition; National Finalist

Apr 2021