

# Peter Zhang

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## Education

### University of California, Berkeley

Berkeley, CA

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

2020–2023

**Coursework:** ML/AI, Data Science, Stats/Probability, Macro/Micro, Behavioral Economics/Finance, DS&A

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

## Experience

### Susquehanna International Group

Bala Cynwyd, PA

Incoming Trading Intern

Jun 2022–Aug 2022

### Berkeley Artificial Intelligence Research

Berkeley, CA

Undergraduate Researcher

Jan 2022–Present

- Built PyTorch training loops to fine-tune various language models for predicting the political slant of news articles
- Brainstormed economics applications of a "differences-of-distributions" model and prepared relevant test datasets.

### Uber Eats

San Francisco, CA

Data Analyst

Sep 2021–Dec 2021

- Queried behavioral data on 2M eaters for segmentation via a random forests, PCA, and clustering algorithms.
- 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)

### 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.

### 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.

### 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.

## Skills

**Expert:** Python (Pandas), R, Java, Latex, Git/Terminal, VSCode/IntelliJ, Data Analysis/Visualization

**Proficient:** C, SQL, HTML (Liquid), CSS, JavaScript (React), Azure/AWS, WordPress, Machine Learning

**Novice** Swift, Android Studio, Typescript, Spark, MATLAB (CVX), Stata, Electron, AutoDesk Inventor

## Awards

UC Berkeley Leadership Award; 2x Recipient

Jul 2020, Aug 2021

DSS x NIB Datathon for Social Good, 1st Place

Nov 2021

Venture Capital Investment Competition; National Finalist

Apr 2021

National Speech and Debate Tournament; 6th Place

Jun 2020