

Peter Zhang

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Education

University of California, Berkeley

Berkeley, CA

Computer Science, Economics, & Operations Research B.A. 3.97 GPA

2020–2023

Coursework: Data Structures/Algorithms, Data Science, Artificial Intelligence, Discrete Math, Statistics/Probability

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

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)

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 .

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