







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

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.

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.

Projects


Debate Analysis


Sep 2020–Feb 2021

- Scraped 200k+ outcomes from debate tournaments and 5k+ online debate cases with a Bsoup/Selenium crawler.
- Published articles detailing the impact of transitioning to online debate and rates of public case disclosure.
- Collected educational/professional data on 438 elite competitors and published article visualizing career pathways.

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