

Peter Zhang

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Education

University of California, Berkeley

Berkeley, CA

Computer Science & Economics B.A.; 4.00 GPA

2020–2023

Coursework: Data Structures/Algorithms, Data Science, InfoSys Design, Micro/Macro, Discrete Math, Statistics

Activities: Voyager Consulting, Berkeley Economic Review, Debate Society of Berkeley, Computer Science Mentors

Skills

Languages: Python, Java, R, SQL, HTML/CSS/JavaScript, Flask/React, \LaTeX , Stata, VBA, MATLAB

Tools: Git/Terminal, Azure/AWS, VSCode/IntelliJ/Android Studio, WordPress, R Shiny, Electron, Qualtrics

Experience

Amazon

Arlington, VA

Incoming Software Development Engineer Intern

May 2021–August 2021

Center for Effective Global Action

Berkeley, CA

Research Apprentice

Jan 2021–May 2021

- Developed and streamlined R Shiny applications and markdown notebooks to showcase Open Policy Analysis.
- Worked with authors to assess and improve reproducibility for five papers using R, Stata, Python, and \LaTeX

DeWaste

Berkeley, CA

Data Science Intern

Feb 2021–Present

- Build React/D3 interface for food waste data, providing restaurants with real-time, actionable insights
- Leverage time series forecasting and regression to disaggregate and project daily, weekly, and yearly trends

Voyager Consulting

Berkeley, CA

Volvo Cars Consultant

Jan 2021–Present

- Built novel, binary search-based pricing survey in Qualtrics to assess demand for 20+ on-demand car features
- Analyze sales data and 1,500+ responses to inform design of a one-click deployable R Shiny pricing model

Monster Energy Consultant

Sep 2020–Dec 2020

- Quantified consumer interest in 55 product categories from scraped social media and Google Trends data
- Forecasted demand from 4.5M rows of CPG sales data to suggest product development and launch strategies

National Cancer Institute

Rockville, MD

Research Assistant

Jul 2019–Apr 2020

- Scraped and reformatted over 1 billion gene expression datapoints from drug trials for efficient user query
- Developed R Shiny app for dynamic plotting/analysis with one-click, Electron deployable, pending publication

Projects

Partisanship & COVID

Dec 2019–Apr 2021

- Compiled a novel COVID-19 dataset using Census, NYT, JHU, DOT, and election data for 3,111 counties
- Published article detailing the relationship between political affiliation and COVID-19 via multiple regression

Debate Analysis

Sep 2020–Feb 2021

- Scraped 200k+ outcomes from debate tournaments and 5k+ online debate cases with BeautifulSoup
- Published articles detailing the impact of transitioning to online debate and rates of public case disclosure

World4

Apr 2019

- Carrying capacity model based on Spearman correlation and regression on 20+ environmental indicators
- Awarded Top 6 in the US in the International Mathematics Modeling Competition for rigor and innovation

Awards

Venture Capital Investment Competition; Global Finalist

Feb 2021

UC Berkeley Leadership Award; Recipient

Jul 2020

National Speech and Debate Tournament; 6th Place

Jun 2020

USA Computing Olympiad; Platinum Division

Apr 2020