Peter Zhang

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Education

University of California, Berkeley **Berkeley, CA**
Computer Science & Economics B.A.; 3.97 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, Comp. Sci. Mentors, UPE

Skills

Languages: Python, Java, R, SQL, HTML/CSS, JavaScript/React, LaTeX, Stata, VBA, MATLAB
Tools: Git/Terminal, Azure/AWS, VSCode/IntelliJ/Android Studio, WordPress, Electron, Qualtrics

Experience

Amazon **Arlington, VA**
Software Development Engineer Intern   Jun 2021–Aug 2021

Center for Effective Global Action **Berkeley, CA**
Research Apprentice   Jan 2021–May 2021
– Develop and streamline R Shiny applications and markdown notebooks to showcase Open Policy Analysis.
– Assess and improve reproducibility for five papers using R, Stata, Python, and LaTeX, working with authors

DeWaste **Berkeley, CA**
Data Science Intern   Feb 2021–May 2021
– 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–May 2021
– 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 delpoyable 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

Debate Analysis   Sep 2020–Feb 2021
– Scraped 200k+ outcomes from debate tournaments and 5k+ online debate cases with BSoup/Selenium
– 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 of 20+ environmental indicators
– Awarded Top 6 in the US in the International Mathematics Modeling Competition for rigor and innovation

Eye Coach   Jan 2019
– iOS app built with augmented reality and Haar cascades to help people with autism train eye contact
– Built in 24 hours at Hack Pennsylvania, winning best-in-show among 100+ other participants

Awards

Venture Capital Investment Competition; National 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