

# 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, Behavioral Econ, Discrete Math, Statistics

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

## Skills

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

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

## Experience

### 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

- Developed and streamlined R Shiny applications and markdown notebooks to showcase Open Policy Analysis
- Assessed and improved reproducibility for five papers using R, Stata, Python, and  $\LaTeX$ , working with authors

### 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 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

### 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