

Peter Zhang

🏠 15429 Indianola Drive, Derwood, MD 20855, USA

✉ petez@berkeley.edu ☎ (240) 994-2204 💼 peterzhang.info 🌐 petezh 📷 pjz

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/Kotlin, 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 a scalable, serverless tool to notify AWS customers of service issues with flexible API and CLI command
- Develop in a rapid, Agile environment leveraging Kotlin/Java, pipelines, and AWS services (Lambda, SQS)

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