Peter Zhang
🏠 15429 Indianola Drive, Derwood, MD 20855, USA

📫 petez@berkeley.edu ☎ (240) 994-2204 🖥 peterzhang.info ⬤ GitHub: petezh 🔗 LinkedIn: pjz

📚 Education

University of California, Berkeley	**Berkeley, CA**

Computer Science, Economics, & Operations Research B.A. 3.98 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

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.

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.

Gates Foundation Advisor — Sep 2021–Dec 2021
 – Compiled 177 field studies on fake medicines to study prevalence, causes, and impacts in developing countries.
 – Built visualizations/statistical models in Python, delivering a 55-page report to the ex-head of the UK MHRA.

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.

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.

National Institute of Standards and Technology — **Gaithersburg, MD**
Economics Research Intern — May 2020–Sep 2020
 – Annotated 57 papers on resilience planning to assess the role of co-benefits in recent benefit-cost analysis.
 – Published user manual/case study for Edge$, a decision-making software app to help community leaders.

✋ 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
Baidu x VSS Case Competition, 3rd Place	Nov 2021
Gates Foundation Case Competition, Finalist	Nov 2021
Mastecard Case Competition, 3rd Place	Apr 2021
Venture Capital Investment Competition; National Finalist	Apr 2021