Peter Zhang

⌂ 15429 Indianola Drive, Derwood, MD 20855, USA

✉ petez@berkeley.edu ✆ (240) 994-2204 💼 peterzhang.info ⬡ petezh in pjz

Education

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

Computer Science and Economics B.A.; 4.00 Cumulative GPA Class of 2023

Coursework: Data Science, Data Structures, Probability, Statistics, Linear Algebra, Macroeconomics, Microeconomics

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

Skills

Languages Python, R, Java, SQL Lite/MySQL, HTML/CSS/JavaScript, MATLAB, LaTeX

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

Experience

Voyager Consulting **Berkeley, CA**

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 Institute of Standards and Technology **Gaithersburg, MD**

Research Assistant May 2020–Sep 2020

- Annotated 50+ papers on resilience planning to find trends in how co-benefits are treated in benefit-cost analysis
- Published user manual and case study for Edge$, an online decision-making software for resilience projects

National Cancer Institute **Rockville, MD**

Research Assistant Jul 2019–Apr 2020

- Scraped and reformatted 1 billion+ gene expression datapoints from drug trials to expedite user queries
- Developed R Shiny app for dynamic plotting/analysis and created an Electron-based MacOS deployable

National Institute of Standards and Technology **Gaithersburg, MD**

Summer Intern Jun 2019–Aug 2019

- Wrote Python scripts to preprocess corpora and construct subject-predicate-object tuples with NLTK/Gensim
- Improved Latent Dirichlet Allocation topic modeling coherence by over 30% using root-and-rule preprocessing

Premier Debate America **Remote**

Product Manager Dec 2018–Present

- Oversee monthly publication of 200+ pages of topic research used freely by thousands of debaters nationwide
- Design and maintain premierdebate.com using Wordpress and CSS/Javascript with 67,000 visitors in 2019

Projects

Debate Analysis Sep 2020–Present

- Scraped 200k+ outcomes from debate tournaments and 25k+ publicly posted debate cases
- Published trends in tournament attendance, competitor composition, argument styles, and more

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

UC Berkeley Leadership Award; Recipient Jul 2020

National Speech and Debate Tournament; 6th Place Jun 2020

USA Computing Olympiad; Platinum Division Apr 2020

American Regions Mathematics League; 8th Place Jun 2019