

# Peter Zhang

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## Education

### University of California, Berkeley

Berkeley, CA

Computer Science & Economics B.A.; 4.00 Cumulative GPA

2020–2023

Coursework: Algorithms, Data Structures, Discrete Math, Probability, Statistics, Linear Algebra, Data Science

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

## Experience

### DeWaste

Berkeley, CA

Data Science Intern

Feb 2021–Present

- Build web interface for food waste data, providing restaurants with real-time, actionable insights
- Leverage time series forecasting to disaggregate daily, weekly, and yearly trends in food waste

### 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

### 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 130,000 visitors since 2019

### National Institute of Standards and Technology

Gaithersburg, MD

Economic Research Intern

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

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

### 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

## Projects

### Debate Analysis

Sep 2020–Present

- Scraped 200k+ outcomes from debate tournaments and 5k+ publicly posted debate cases
- Published article analyzing the impact of online environments on access to debate tournaments
- Published article quantifying the popularity of different arguments and trends across debate events

### 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

## Skills

**Languages:** Python, Java, R, SQL/MySQL, HTML/CSS/JavaScript, MATLAB,  $\text{\LaTeX}$ , Stata

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

## Awards

UC Berkeley Venture Capital Investment Competition; 1st

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

American Regions Mathematics League; 8th Place

Jun 2019