

# 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

### Computer Science Mentors

Berkeley, CA

Content Mentor

Jan 2021–Present

- Create, update, and compile CS 61A problem worksheets for use by mentors and students.
- Wrote script to track the location and characteristics of 400+ problems across 20+ topics.

Junior Mentor

Sep 2020–Dec 2020

- Prepare and present weekly mini-lectures and practice problems for a group of six CS 61A students
- Assisted compilation of lectures and practice problems as a part of the Midterm 2 task force

### The Bronx High School of Science

Bronx, NY

Assistant Debate Coach

Aug 2020–Present

- Lead two practices each week for a team of 30+ Lincoln-Douglas debaters and drill with students one-on-one
- Judge and coach at two tournaments each month, providing strategic advice and feedback to competitors

### War Room Debate

Austin, TX

Debate Instructor

Jun 2020

- Designed sample cases and recorded demo videos for an advanced Lincoln-Douglas debate curriculum
- Led lab of 15 students for two weeks of skills lectures, frequent drills, and practice debates

### Premier Debate America

Los Angeles, CA

Product Manager

Dec 2018–Present

- Lead bi-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 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

### 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

## Skills

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

**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