

Peter Zhang

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Education

University of California, Berkeley

Berkeley, CA

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

Class of 2024

- **Coursework** Data Structures, Discrete Math and Probability, Functional Programming, Linear Algebra, Statistics
- **Activities** Voyager Consulting, Debate Society at Berkeley, Computer Science Mentors, Berkeley Economic Review

Experience

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

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

National Institute of Standards and Technology

Gaithersburg, MD

Applied Economics 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
- Wrote case study of wildfire-resistant retrofits by estimating and comparing 10 sources of costs/benefits in Excel
- Published user manual for Edge\$, an online decision-making software for community resilience projects

NLP Research 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 using root-and-rule preprocessing in Jupyter Notebook trials

National Cancer Institute

Rockville, MD

Data Visualization Research Assistant

Jul 2019–Apr 2020

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

Projects

WikiGrab Python web scraper and repository of disclosed debate cases and tournament entries Jul 2020

VerbatimReader VBA macro for reformatting debate documents to a screen-reader accessible format Nov 2019

World4 Global carrying capacity model based on regression analysis of environmental indicators Apr 2019

Eye Coach Mobile app with augmented reality to help people with autism train eye contact Jan 2019

Coaster Ranker Neural network that predicts roller coaster ratings from height, speed, location, etc. Nov 2018

Skills

Languages Python/Jupyter, R w/ Shiny, Java, PHP/SQL, HTML/CSS/Javascript, MATLAB

Tools Git/Terminal, VS Code/IntelliJ/Android Studio, WordPress, Electron

Awards

UC Berkeley Leadership Award; Recipient Jul 2020

National Speech and Debate Tournament; 6th Speaker Jun 2020

USA Computing Olympiad; Platinum Division Apr 2020

American Regions Mathematics League; 8th Place Jun 2019

Hack Pennsylvania; Best In Show Jan 2019

International Mathematics Modeling Challenge; Finalist Apr 2019