# Peter Zhang

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## Education

**University of California, Berkeley** Berkeley, CA                                  Class of 2024
*Computer Science and Economics BA; 4.00 GPA*
  – Coursework: Data Structures, Discrete Math and Probability, Computer Programs
  – Activities: Voyager Consulting, Computer Science Mentors, Berkeley Economic Review

## Skills

**Languages**
  – Python/Jupyter, R w/ Shiny, Java, PHP/SQL, HTML/CSS, LaTeX

**Tools**
  – Git/Terminal, IDLE/Eclipse/IntelliJ, WordPress, Android Studio

## Experience

**Product Manager**                                                                Dec 2018–Present
*Premier Debate America*
  – Regularly publish 100+ pages of topic research for thousands of debaters
  – Design and maintain Wordpress webpages at premierdebate.com

**Research Intern**                                                                May 2020–Sep 2020
*National Institute of Standards and Technology*
  – Reviewed and annotated over 50 papers on community resilience projects
  – Wrote a case study showcasing the co-benefits of wildfire-proof infrastructure
  – Published user manual for Edge$, an online cost-benefit analysis tool

**Research Assistant**                                                              Jul 2019–Apr 2020
*National Cancer Institute*
  – Reformatted database of 1 billion+ gene expression datapoints for efficiency
  – Wrote R Shiny app for interactive plotting and regression/correlation analysis
  – Used Electron framework to create portable Windows and MacOS software

**Summer Intern**                                                                  Jun 2019–Aug 2019
*National Institute of Standards and Technology*
  – Automated the download of scientific articles and preprocessing of sentences
  – Designed a rule-based algorithm to construct subject-predicate-object triplets
  – Demonstrated improvements in LDA topic modeling with Jupyter notebook trials

## Projects

**WikiGrab** Python web scraper and repository of debate cases and tournament entries            Jul 2020
**ScreenReader** VBA macro for reformatting documents to a screen-reader accessible format        Nov 2019
**Eye Coach** Mobile app with augmented reality to help people with autism train eye contact      Jan 2019
**Coaster Ranker** Neural network for predicting roller coaster ratings from height, speed, etc.  Nov 2018

## Awards

UC Berkeley Leadership Award                                                        Jul 2020
USA Computing Olympiad; Platinum Division                                           Apr 2020
American Regions Mathematics League; Division A, 8th Place                          Jun 2019
Hack Pennsylvania; Best In Show                                                     Jan 2019
International Mathematics Modeling Challenge; Finalist                              Apr 2019