

Peter Zhang

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Education

University of California, Berkeley Berkeley, CA	Class of 2024
<i>Economics and Computer Science BA; 4.00 GPA</i>	
– Coursework: CS 61A, EECS 16A, L&S W1	
– Activities: Debate Society at Berkeley	
Montgomery Blair High School Silver Spring, MD	Class of 2020
<i>Science, Mathematics and Computer Science Magnet Program; 3.95 GPA</i>	
– Coursework: AP Micro/Macro, Applied Stats, Complex Analysis, Software Design	
– Activities: Debate Team, Computer Team, DECA, Chamber Choir	

Experience

Research Intern	May 2020–Present
<i>National Institute of Standards and Technology; Dr. Jennifer Helgeson, Supervisor</i>	
– Review and annotate 50+ cost-benefit analyses of resiliency projects	
– Publishing case study for valuing the co-benefits of wildfire-resistant infrastructure	
Product Manager	Dec 2018–Present
<i>Premier Debate America, Los Angeles, CA; Bob Overing, Director</i>	
– Lead publication of 100+ pages of topic research monthly for thousands of debaters	
– Design and maintain Wordpress webpages at premierdebate.com	
Research Assistant	Jul 2019–Apr 2020
<i>National Cancer Institute; Dr. Yingdong Zhao, Project Lead</i>	
– Scraped and reformatted the NCI database of 1 billion+ gene expression datapoints	
– Wrote R Shiny software for interactive plotting and regression/correlation analysis	
Summer Intern	Jun 2019–Aug 2019
<i>National Institute of Standards and Technology; Dr. TN Bhat, Mentor</i>	
– Automated the download of scientific articles and preprocessing of sentences	
– Designed a rule-based algorithm to construct subject-predicate-object triplets	
– Create Jupyter trials to test root-and-rule improvement on topic modeling	

Skills

Languages
– Python/Jupyter, R w/ Shiny, Java, PHP/SQL, L ^A T _E X
Tools
– Git/Github, Terminal, IDLE/Eclipse/IntelliJ, WordPress

Projects

WikiGrab Python scraper and repository for publicly posted debate speeches	Jul 2020
ScreenReader VBA macro for reformatting documents to a screen-reader accessible format	Nov 2019
Coaster Ranks Neural network for predicting roller coaster ratings from height, speed, etc.	Nov 2018

Awards

The Leadership Award	Jul 2020
National Speech and Debate Tournament; LD 6th Speaker	Jun 2020
USA Computing Olympiad; Platinum Division	Apr 2020
American Regions Mathematics League; Division A, 8th Place	Jun 2019
International Mathematics Modeling Challenge; Finalist	Apr 2019