

BRANDON GUO

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EDUCATION

Monta Vista High School

August 2016 - Present

Weighted GPA: 4.60; Unweighted GPA: 4.00/4; ACT: 36/36

SAT Mathematics Level II: 800, SAT Physics: 800, SAT Literature: 740

School Coursework: AP Calculus BC (5), AP Physics 1 (5), AP Computer Science (5), AP Chinese (5), AP Physics 2 (5), AP Statistics (5), AP Physics C: Mechanics (5), AP Physics C: Electromagnetism (5), AP English Language and Culture (5), AP Chemistry ('20), AP English Literature ('20), AP Macroeconomics ('20), AP Microeconomics ('20), AP Government ('20), AP French ('20)

College Coursework (Concurrently): MATH4C: Linear Algebra, ENG1A: English Composition, CS3A: OOP with Python, PHIL004: Philosophy

ACTIVITIES

Stanford Institutes of Medical Research Intern (SIMR)

May 2019 - Present

Bioinformatics intern under Dr. Kari Nadeau, one of the nation's foremost experts in asthma research, and postdoctoral researcher Abhinav Kaushik. Drafting a peer-reviewed publication as the primary author that combines disciplines in bioinformatics and graph theory, proposing a novel analysis technique of genomics data.

Goalkeeper for De Anza Force Team I and School Varsity Team

May 2016 - Present

Played in the National Premier League (NPL) under Coach Zimmerman, winning the title in the Spring 2018 season. Served as the starting goalkeeper during the Spring 2018 and Fall 2018 seasons and on the varsity team since sophomore year.

President of Math and Science Club

May 2019 - Present

Director of Training for Model UN Club

August 2017 - Present

Percussionist for San Jose Youth Philharmonic Orchestra

May 2018 - Present

Director of Physics for Physics/Engineering Club

May 2019- Present

President of Silicon Valley Forensics

August 2018 - Present

Led my team in raising roughly \$1000 in academic resources and scholarships for aspiring debaters.

Team Leader of Young American Policy Advocates

July 2019 - Present

One of the founding members of YAPA, a ten-week program which educates students about local governments and legislation by matching them with elected officials who help them develop a bill or white paper.

Director of Tutors for CalTutors

August 2016 - Present

Each week, I work with my team to host lectures on AMC and USACO competitions free for local students.

Research Project at San Jose State University

September 2018 - March 2019

Worked with Professor Guangliang Chen of SJSU on evaluating dimension reduction techniques in machine learning. Wrote a paper that won the Computer Science Semifinalist Prize at JSBS and was invited to present and publish at the Joint Statistical Meetings.

Boys State Delegate

June 2019

Selected to represent my post district to attend, paid for by the government. Elected as the District Attorney and chosen as a finalist for the state-wide Oratorical Competition.

ACADEMIC HONORS

- United States Physics Olympiad (USAPhO) Bronze Medalist (Top 150 Nationally)
- American Mathematics Competition (AMC) Distinguished Honor Roll (Top 1% Nationally)
- Berkeley Mathematics Tournament Individual Finalist (Top 7 of ≈ 500 students)
- Berkeley Model United Nations Conference Outstanding Delegate