

BRANDON GUO

(408) 707-5389 ◇ brandon49623@gmail.com ◇ <https://bguo.us>

EDUCATION

Monta Vista High School

August 2016 - Present

Weighted GPA: 4.58; Unweighted GPA: 4.00/4; ACT: 36/36

SAT Mathematics Level II: 800, SAT Physics: 800

School Coursework: AP Calculus BC (5), AP Physics 1 (5), AP Computer Science (5), AP Chinese (5), AP Physics 2 ('19), AP Statistics ('19), AP Physics C: Mechanics ('19), AP Physics C: Electromagnetism ('19), AP Chemistry ('20), AP English Language and Culture ('19), AP English Literature ('20), AP Macroeconomics ('20), AP Government ('20), AP French ('20)

College Coursework (Concurrently): MATH4C: Linear Algebra, ENG1A: English Composition, CS3A: OOP with Python, CIS1A: Data Structures and SQL, PHIL004: Philosophy, PHIL008: Ethics

Other Coursework (Online): Johns Hopkins Data Science Specialization, Stanford Machine Learning

ACTIVITIES

Stanford Institutes of Medical Research Intern (SIMR)

May 2019 - Present

Working under Dr. Kari Nadeau, one of the nation's foremost experts in asthma research, and postdoctoral researcher Abhinav Kaushik regarding a bioinformatical approach with R towards asthma classification.

Goalkeeper for De Anza Force Team I and School Varsity Team

May 2016 - Present

Played in the National Premier League (NPL) under Coach Bowman, 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.

Director of Tutors for CalTutors

August 2016 - Present

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

Research Project at San Jose State University

September 2018 - March 2019

Worked with Professor Guangliang Chen of San Jose State University in the CS Department on a project related to reducing the dimensions of datasets. Wrote a paper that won the Computer Science Semifinalist Prize at JSHS and was invited to present at JSM.

Boys State Delegate

June 2019

Selected to represent my post district to attend the Boys State summer program, paid for by the government.

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

TECHNICAL STRENGTHS

Development and Analysis
Software

Python, R, Java, Bash, Mathematica
L^AT_EX, HTML, MS Office, Git