

Eric Zhang

Class of 2021, Monta Vista High School

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EDUCATION

Monta Vista High School 2017-2020

Unweighted GPA: 4.0

Advanced Placement Tests 2017-2020

Computer Science A, Calculus BC, Statistics, Physics C, Physics 1, Chinese, US History, Psychology (all 5/5 or pending scores)

Standardized Testing 2017-2020

ACT: 36/36 (all 4 sections)

PSAT: 1510/1520

SAT Math II and SAT Physics: 800/800

West Valley Community College 2020

Linear Algebra

Computer Skills

Python, C++, Java, JavaScript, HTML

Numpy, Matplotlib, Pandas, Scipy, Keras, TensorFlow, and PyTorch

Advanced Data Structures and Algorithms

Bash Shell Scripting

Unix Operating Systems

AWARDS

United States of America Computing Olympiad Two-Time Finalist 2018, 2020

Awarded to the 13 final candidates competing for a position on the United States team at the International Olympiad in Informatics, the most prestigious high school computer science competition in the world.

Modeling The Future Challenge 2nd Place Winning Team 2020

\$15,000 scholarship awarded for work modeling climate change's effects on agricultural industries. Published in the Actuarial Research Clearing House.

American Invitational Math Exam Three-Time Invitee 2017-2020

Awarded to students that perform exceptionally well on the American Math Competition.

United States of America Physics Olympiad Semifinalist 2020

Awarded to students that perform exceptionally well on the F=MA exam.

ACTIVITIES

Summer Program on Applied Rationality and Cognition Attendee 2019

Attended the Summer Program on Applied Rationality and Cognition, which teaches students how to apply rational and quantitative skills to do good in the world.

Monta Vista Competitive Programming Club President Founded and led the Monta Vista Competitive Programming Club, which promotes computer science education and competitions for local students.	2018-2020
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Stanford Institutes of Medicine Summer Research Program Invitee Accepted into a summer research program at Stanford's bioinformatics lab. Unfortunately, the program is postponed until 2021 due to Covid-19.	2020
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South Bay Math Tournament Founding Team Member Helped organize the first South Bay Math Tournament, an local competition for elementary and middle schoolers designed to foster interest in mathematics.	2018
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PUBLICATIONS

Asawa, Parth, et al. "An Analysis on the Impact of Climate Change on Corn in Minnesota." <i>Actuarial Research Clearing House (ARCH)</i> , 2020.2, 1 May 2020.	2020
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WORK EXPERIENCE

AlphaStar Academy Computer Science Instructor Developed curriculum and taught students fundamental programming skills including C++, Java, Python, algorithms, and data structures.	2018-2020
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OTHER AWARDS

United States of America Computing Olympiad US Open 5th Place Nationally	2020
Stanford ProCo Advanced Division 1st Place Team	2019
Google Code Jam Round 3: 419/30000 Competitors Worldwide	2019
Google Code Jam Round 2 Qualifier	2017-2018
Codeforces Master Rating 2217	2019-2020
Google Kickstart Round B 21st Place	2019
Facebook Hacker Cup Round 2	2017-2019
VTU High School Programming Competition 2nd Place and 4th Place	2018-2019
Harker Programming Invitational: Advanced Division 4th Place	2019-2020
UCF's Online High School Programming Competition 4th Place	2019