**Justin Zhang**

*11624 Ranch Lane*

*North Potomac, Maryland, 20878*

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**EDUCATION**

**University of California, Berkeley**

Electrical Engineering and Computer Science, Class of 2024 August 2020 - Current

**EXPERIENCE**

**Carnegie Institute for Science Geophysical Lab** Washington D.C.

*High School Intern – Carnegie Summer Scholar* June 2018 – May 2019

* *Raman Spectroscopic Study of the CH4-CO2-H2O System at Room Temperature and High Pressures*
* Interned under Staff Scientist Dr. Timothy Strobel
* 3rd place winner in Physics category at Montgomery County Science Fair
* 2nd place winner in Rho Psi Science and Technology Scholarship
* Winner of NASA/OSA Achievement in Optics and Photonics Award

**University of Maryland Institute for Advanced Computer Studies** College Park, MD

*High School Intern* July 2019 - Current

* *Transparency Tools for Fairness in AI*
* Interned under Dr. Dana Dachman-Soled
* Submitted to Springer Association for Women in Mathematics Series

**Chinese American Parents and Student Association** Rockville, MD

*Lead Coordinator of High School Tutoring Division* September 2013 – Current

* Created pairings between high school tutors and tutees
* Monitored tutor performance and tutee achievement
* Guided tutees in a variety of subjects, including English, mathematics, and sciences

**OTHER ACTIVITIES & ACOMPLISHMENTS**

MBHS Physics Team September 2017 – Current

* Captain September 2019 – Current

MBHS Envirothon Team September 2018 – Current

* 1st place Montgomery County Envirothon Competition April 2019
* 2nd place Maryland State Envirothon Competition June 2019

MBHS Science Bowl Team September 2016 – Current

MBHS Ocean Sciences Bowl Team September 2018-Current

* 3rd place Chesapeake Bay Bowl February 2019
* 1st place Chesapeake Bay Bowl February 2020

MBHS Cybersecurity Club September 2017 – Current

MBHS Varsity Ice Hockey Team October 2017 – Current

* Captain October 2019 – Current
* Alternate Captain October 2018 – 2019
* Maryland Student Hockey League State Playoffs Semifinalist February 2018

MBHS Varsity Volleyball Spring 2017 – Current

National Merit Scholarship Finalist 2020

Science Championship Washington DC Qualifier 2nd Place April 2019

MCPS Cyber Forensics Challenge March 2019

RUSecure Cybersecurity Qualifying Competition – 5th place March 2019

Cybersecurity Awareness Week High School Forensics Challenge September – October 2017, 2018

American Regional Mathematics League June 2018

University of Maryland Math Competition, Parts I and II October, November 2016, 2017

Multicultural STEAM Education Young Leader Program June - September 2016

Montgomery County Summer Leadership Challenge July 2016