

# Wesley Maa

A high school student who loves to tinker

438 Chaucer Street  
Palo Alto, CA 94301  
(650) 289-8505  
wesley.maa@gmail.com

## ACTIVITIES

### NUS AI Lab

June 2021 - Present

- Work on semantic segmentation models

### UCSB Summer Research Academies

Summer 2021

- Course on Morphological Computation
- In-depth team project and writeup on the development of a haptic feedback based navigation device

### Silicon Valley Robotics

Jan 2021 - Present

- Volunteer

### Palo Alto Youth Commission (PAYC)

Sept 2020 - 2021

- Student body organization committed to servicing the needs of the teen community by serving as a voice toward change and action. PAYC addresses issues relevant to the teen community by working with the local government and city council to develop creative and engaging ways to raise awareness

### Stanford Pre-Collegiate Studies

Summer 2020

- Materials Science and Engineering at Stanford Summer Institutes
- Stanford Science Circle and Humanity Circle

### Stanford Logic Institute

Summer 2020

### MIT Beaver Works Summer Institute

Summer 2020

- Explored the application of Bluetooth to proximity detection for COVID-19 Contact Tracing
- One of 140 students admitted to the program

### Carnegie Mellon University Pre-College Program

Summer 2020

- NanoScience and Technology. University credit course
- One of 180 students admitted to the program

### Jump Robotics — Co-Founder

November 2019 - Present

## EDUCATION

### Palo Alto High School

Palo Alto, CA

August 2019 - June 2023

- GPA: 4.42 weighted

### American School in Japan

Tokyo, Japan

August 2014 - December 2018

## SKILLS

3D CAD in Solidworks and Fusion360

Matlab, Mathematica

Python, Java, C, C#,  
HTML/CSS/JavaScript

([github.com/WT-MM](https://github.com/WT-MM))

Raspberry Pi, Arduino

## OTHER INTERESTS

Swimming, Badminton

Guitar

Rubik's Cubes

- Responsible for all aspects of design, mechanical build, software, marketing, and fundraising
- Competes in the FIRST Robotics Competition

### **Palo Alto High School Speech and Debate Club**

October 2019 - Present

- Lincoln Douglas debate

### **American School in Japan VEX Robotics Team**

September 2016 - January 2019

- Captain of the 901M: Roight team in 2018
- Competed in the ASIJ VEX Robotics Tournament in Tokyo, Japan

### **Johns Hopkins Center for Talented Youth**

June 2016 - July 2019

- Introduction to Astronomy
- Existentialism: On Being Human
- Model UN

### **STEAMBuilders, Japan — Teacher's Assistant**

January 2017 - June 2017

- Educated elementary students in Scratch, Lego Mindstorms, and WeDo 2.0

## **AWARDS**

- Achievement award from United States Navy and Marine Corps for "Magnetohydrodynamic Drive Propulsion" project at the Synopsys Silicon Valley Science and Technology Championship
- 2020 - President's Volunteer Service Award for 100 hours of community service

## **edX Certificates**

- Stanford CSX0003 Algorithms: Design and Analysis, Part 1
- MIT 6.00.1x Introduction to Computer Science and Programming Using Python
- HarvardX Introduction to Digital Humanities

## **University Credit Courses / Transcript Available**

- Carnegie Mellon University: Introduction to Nanoscience and Technology (June 28, 2020 - Aug 7, 2020)