

Alex Ren

5819 Sterling Greens Cir.
Pleasanton, CA 94566

3400 N. Charles St.
Baltimore, MD 21218

408-464-5891
aren3@jhu.edu

Education

Johns Hopkins University

Bachelor of Science in Mechanical Engineering, Minor in Mathematics

- Cumulative GPA: 3.97/4.0

Baltimore, MD

Expected May 2024

Foothill High School

High School Diploma

- Cumulative GPA: 4.4/4.0

Pleasanton, CA

May 2020

Project Experience

AstroJays Rocketry Team

Propulsion Team Member

- Designing components for propulsion system and cold flow test

Baltimore, MD

Sep 2020 – Present

Johns Hopkins University, Department of Mechanical Engineering

MechE Freshman Lab II Design Project

- Create set of active dioramas portraying story with narration using Arduino components

Baltimore, MD

Jan 2021 – May 2021

Johns Hopkins University, Department of Mechanical Engineering

Intro to MechE Design & CAD Design Project

- Designed and constructed device to catch, transport and release egg using commonly accessible materials

Baltimore, MD

Aug 2020 – Dec 2020

Volunteer and Leadership Activities

Promoting Leadership in Aspiring Youth Foundation (PLAY)

Engineering Subgroup President and former Treasurer

- Organized and led hands-on engineering camps for kids aged 8-12
- Led volunteer team in instructing and guiding kids in engineering-related projects

Pleasanton, CA

Sep 2017 – Aug 2020

Athletics

JHU Men's Varsity Swimming

Mid-Distance Group

Baltimore, MD

Sep 2020 – Present

Pleasanton Seahawks Swim Team

Senior Elite Group

Pleasanton, CA

Sep 2008 – Aug 2020

- USA Swimming Gold Medal Club 2017–2021, Podium Club 2020–2021
- Junior National qualifier
- Scored 96 points to team's 1st place finish at 2017 CA–NV Speedo Sectionals

Foothill High School Men's Varsity Swim Team

200 IM, 100 Fly, 500 Free

Pleasanton, CA

Jan 2017 – May 2020

- Three-time varsity letter recipient (4th season cancelled) and school record holder in 200 Individual Medley, 4x100 Freestyle Relay, and 4x50 Freestyle Relay
- 3rd place team at 2019 North Coast Section Championships

Honors and Awards

Academics: JHU Fall 2020 Dean's List, National Merit Finalist, AP Scholar with Distinction

Athletics: Three-time USA Swimming Scholastic All-American

Skills

Software: Solidworks, Python, MATLAB, Java, Excel

Machining Tools: mill, bandsaw, drill press