

Lara Vaidya

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EDUCATION:

University of Washington (B.S. Mechanical Engineering) GPA: 3.76, Deans List

Seattle, WA

Relevant courses: Computer Science Java, Calculus, Differential Equations, Physics Mechanics and Electromagnetism, Computer Hardware Skills, Visualization and Computer-Aided Design, DEI in Engineering

Grad: June 2027

Monta Vista High School

Cupertino, CA

Relevant courses: Calculus, Statistics, Physics, Environmental Science, Principles of Engineering, Intro To Java, Chemistry

2019-2023

EXPERIENCE:

Society of Women Engineers (SWE)

Seattle, WA

SWEHacks Director

June 2024 - Present

- Dedicated SWE member
- Corporate director leadership position responsible for running SWEHacks event

University of Washington HuskyADAPT

Seattle, WA

Lead Toy Adapter, Technical Lead

Sept 2023 - Present

- Applied electrical and mechanical engineering skills to adapt 15 kids' toys to be accessible to children with a range of abilities
- Taught members how to reverse engineer toys to be accessible and donated them to families in need of accessible toys
- Problem solved 10 incorrectly adapted toys upon gaining certification of soldering, wiring, and safety principles

University of Washington Underwater Remotely Operated Vehicle (UW ROV) Student Organization

Seattle, WA

Mechanical Engineer Team Member

Sept 2023 - Present

- Learned Onshape, ECAD, 3D printing, and prototyping skills 6 hours per week to design mechanism for ROV
- Designed, prototyped, and tested mechanism over 3 months to perform on competition ROV
- Contributed to building yearly ROV to perform oceanography and ocean conservation tasks

Monta Vista Robotics Team

Cupertino, CA

Vice President of Engineering, Mechanical Engineer Lead

May 2020 - May 2023

- Managed 3 engineering divisions, oversaw project progress and managed timelines of over 75 members over 10 months
- Optimized training process to increase team sustainability, increasing engagement and involvement in the club
- Spearheaded woman/nonbinary mentorship program, organizing diverse industry speaker events and building an inclusive community
- Led mechanical team of 15 members to prototype mechanism for robot using CAD, manufactured using Laguna CNC/ Omio router

El Camino Health, Los Gatos

Los Gatos, CA

Information Desk Assistant

Aug 2019 - Feb 2020

- Volunteered at the local El Camino Hospital in Los Gatos for 12 hours per month, creating a hospitable patient and visitor experience
- Greeted and welcomed visitors, escorted visitors around the hospital, and managed supplies throughout the facility
- Demonstrated strong interpersonal skills in interacting with visitors, ensuring positive experiences with the hospital
- Upheld confidentiality and discretion in handling sensitive information, maintaining a professional and positive environment

PROJECTS:

Cal Hacks Hackathon

UC Berkeley, CA

DevPost: <https://devpost.com/software/throw-it>

June 2024

- Developed website and OpenAI based chatbot to sort trash and reduce waste

BlueStamp Engineering Summer Program

Remote Program

Website: <https://projects.bluestampengineering.com/student-projects/lara-v/>

Jul 2020 - Aug 2020

- Explored the mechanical, electrical, and software components of engineering through self-guided research and project development
- Prototyped remote-controlled drivable robotic arm to increase user mobility
- Presented on documented learning and project journey over 2 months, culminating in final presentation to program mentors

HONORS AND AWARDS:

FIRST Robotics Competition Team Awards

- Regional Finalist - Ranked 3rd out of over 40 teams March 2023
- Impact Award - Team outreach March 2023
- Engineering Inspiration Award - Engineering mobility solution created by team March 2022
- FIRST Robotics World Championship Qualifiers 2020, 2022, 2023

FIRST Robotics Competition Dean's List Semi-Finalist

Feb 2022

- Nominated by team leadership among over 100 members for recognition in robotics, team contributions

Monta Vista Purple and Gold Award in Industrial Technology

- Awarded by Engineering Teacher

Jan 2020

First Class Honors Certification for Guitar Level 3

Jan 2019

- Issued by The Royal Conservatory of Music

SKILLS AND CERTIFICATIONS:

Skills: Autodesk Inventor CAD, Onshape, Laguna CNC Router, Omio Mach3 Router, Soldering, Java Programming, Arduino Programming, Microsoft Office, Leadership, Project management, Prototyping, Creative problem solving, Collaboration

Certifications: SOLIDWORKS Associate in Mechanical Design Academic Certification, First Class Honors Certification for Guitar Level 3

Interests: Robotics, Mechanical engineering, Environmental science, Aerospace, Pottery wheel throwing, Dance, Traveling