

I'm a freshman at the University of Washington passionate about software and aerospace technology. I have experience programming in Python, Java, C, and C++. I also have strong technical writing and editing skills and enjoy working in teams and leading peer groups.

## **Education**

Expected graduation 2024      **University of Washington College of Engineering – Seattle, WA**

- Intended major: Computer Engineering
- GPA: 3.97
- Washington NASA Space Grant Scholar

Graduated 2020      **Newport High School – Bellevue, WA**

- Received high school diploma with honors
- GPA: 4.00, 12 AP classes, ACT: 35

## **Experience**

2020 – present      **Husky Satellite Lab: Software Engineer**

- Work across subteams to create fully integrated systems and test platforms
- Build software systems for a planned lunar satellite
- Designing PID control system
- Program embedded systems microcontrollers using C and C++

2020 – present      **HiScore Learning: Test Prep Teacher**

- Teach 2.5 hour, 25 student classes
- Give feedback to students and communicate with parents
- Create practice testing material

Fall 2020      **NASA L'Space Mission Concept Academy: Computer Engineer**

- Researched and wrote a Preliminary Design Review for a lander mission to investigate seismic activity on Saturn's moon Enceladus

2016 – 2020      **Newport High School Rocketry Club: President, Senior Mentor**

- Took club to Nationals in the American Rocketry Competition 2 years in a row
- Established structure of club, increased membership from 25 to 50 in 2 years
- Fundraised \$3000, including recurring annual \$1200 grant from Aerojet Rocketdyne
- Mentored new rocketeers and started middle school outreach programs

## **Awards and Achievements**

- |             |   |
|-------------|---|
| 2020        | - First Place, The American Rocketry Competition Presentation Contest             |
| 2018 & 2019 | - National Finalist, The American Rocketry Competition                            |
| 2018        | - Level 1 High Power Rocketry Certification                                       |
| 2020        | - National Qualifier, NAQT Quiz Bowl  |
| 2019        | - All-Northwest Honor Band 1st Trombone, National Association for Music Education |
| 2016        | - Black Belt, Shotokan Karate   |

## **Skills**

- Programming Languages: Python, Java (intermediate); C, C++ (beginner)
- Web Design: Full stack web development using MySQL, Python, Javascript, HTML, CSS (beginner)
- Technical Writing: Strong writer and editor in professional environments