

# Vashon Mavrinac



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## Summary

- Diligent and hardworking Computer Science student at the University of Washington
- Excellent problem solving and teamwork skills as demonstrated through student and extracurricular work
- Strong programming knowledge and ability to learn quickly, developed through academia, clubs and personal projects

## Skills

Languages: TypeScript, JavaScript, SQL, Python, Java, HTML, C, C++, C#, x86-64 Assembly, Bash

Frameworks: REST APIs, React.js, Next.js, Express.js, Node.js, NoSQL

Tools: Git, SQLite, PostgreSQL, Google Firebase, Unity

## Education

### **University of Washington - Seattle**

Computer Science

Expected Graduation: June 2026

GPA (unweighted): 3.88

Relevant Coursework: Data Structures & Algorithms, Systems, Databases, Software Design, Computer Statistics, Graphics

## Relevant Experience

### **Solar Vehicle Team UW**

Software Developer

Jan 2025 – Present

- Leveraged Express.js, Next.js and PostgreSQL, and created a REST API to develop a new telemetry system for the solar vehicle, enhancing data collection efficiency.
- Boosted dashboard input intervals from 5 seconds to less than 1 second, allowing real-time monitoring of vehicle data.
- Designed a Next.js dashboard for intuitive data visualization and used PostgreSQL to display historical data.

### **WOOF3D – The University of Washington 3D Printing Club**

Software Technical Lead

Jun 2024 – Present

- Developed the club's website using React.js, JavaScript, HTML and CSS.
- Performed website maintenance and managed filament checkout system for club members.
- Led project groups with 5-10 members to teach members new engineering processes.

### **Husky Coding Project**

SproutSynch Software Executive

Oct 2024 – Jun 2025

- Utilized Next.js with TypeScript, HTML, CSS and Firebase for full-stack development of SproutSynch, a web application that interfaces with hardware components to automatically water plants.
- Collaborated with a team of 8 individuals in a fast-paced environment.

## **Varsity Tutors**

Tutor

Jan 2024 – Jun 2024 (6 months)

- Instructed 4 high school students one-on-one in AP Computer Science and IB Physics.
- Effectively communicated complex and abstract concepts using examples and visual instruction.