University of Washington, Seattle
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Quinn Pfeifer

Software Engineer

Student at the **University of Washington's Paul G. Allen School of Computer Science**. Multiple years of experience in **Robotics**, **Web Development**, and **Leadership** in **Software Engineering**

Hard Skills

Programming Languages: Java, C++, C#, Python, JavaScript, HTML, CSS, NodeJS, React, and MongoDB

Math: Calculus 1, 2, and 3, along with Linear Algebra

Other Software Skills: Data structures, databases, version control, computer vision, automation with trajectory planning, interfacing with APIs; libraries; and motors/sensors, Android app development, PID control

Soft Skills

- **Collaborating** on software projects with **tight deadlines**, emphasizing **teamwork and adaptability**
- Excelled in **teaching** with **focused lesson plans** and strong written and oral **communication skills**
- Demonstrated **leadership** and effective **conflict resolution**
- Applied **critical thinking** and precision in **problem-solving**

Volunteer Work

- Volunteered for **hundreds of hours** at FIRST Robotics competitions at a variety of levels and roles
- Worked with FRC Robotics team to present at **outreach events** at museums and fairs to share enthusiasm for robotics and **promote STEM with the broader community**.

Education

University of Washington, Seattle — **Sept 2023 – Present**
Paul G. Allen School of Computer Science

Everett Community College (Running Start) — **Sept 2021 – June 2023**
Associate in Art and Science, **President's Distinction** (GPA: 4.0)

Henry M. Jackson High School — **Sept 2019 – June 2023**
High School Diploma, **Valedictorian** (GPA: 4.0)
Member of FIRST Robotics Team 2910

Awards and Honors

- **FRC Autonomous Award** Sponsored by Ford (twice in 2022, once in 2023)
- **2023 Indiana Robotics Invitational Scholar**, IRI Host Teams Scholarship
- **AP Scholar**, AP Scholar with **Honor**

Experience

Computer Science Teacher – Coding With Kids Premier Academy **Aug 2021 – April 2023**

- **Instructed** and **mentored** young children, **fostering their understanding of computer programming** through languages such as Scratch and Python
- Orchestrated comprehensive **lesson plans**, documented **lesson reports**, and generated insightful **report cards** to track **student progress**
- Collaborated closely with parents to guarantee a **first-rate educational experience** for their children, ensuring **open communication** and **continuous improvement**

Lead Software Developer – FRC Team 2910 — **Sept 2021 – July 2023**

- Spearheaded a **world-class robotics team** that achieved **3rd place globally** in 2022, securing **victory in over 10 major competitions** during the 2022 and 2023 seasons.
- Distinguished for authoring **award-winning autonomous code**, elevating the team's performance and competitive standing
- Collaborated with **seasoned industry experts** from companies such as Microsoft, Boeing, and more, enhancing skills in computer vision, autonomous motion, trajectory planning, PID control, and Android app development
- Proficiently acquired and applied advanced skills in **computer vision**, **autonomous motion**, **trajectory planning**, **PID control**, and **Android app development**