Samuel Parkman

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Summary of Qualifications

- Proficient in Python, JavaScript, and C. Continuous learner, staying updated with the latest technologies and best practices.
- Strong communication skills, with the ability to convey technical concepts to non-technical stakeholders.
- Passionate about working on new and unique problems in robotics and physical hardware.

Education

Bachelor of Science in Mechanical Engineering 3.7 GPA   **Spring 2020**
Washington State University, Pullman, WA

Bachelor of Science in Computer Science 3.97 GPA   **Exp. Summer 2025**
Oregon State University, Corvallis, OR

Relevant Experience

General Motors Rotation Program
Warren/Milford, MI
October 2020 – February 2023

> **Software Automation Engineer, Rotation 4**   **Fall 2022 – Present**
> - Developed and maintained an automation library, translating requirements into validation test scripts, enhancing system reliability and performance.
> - Implemented Docker containers and Microsoft dev boxes to align local execution environments with server environments.
> - Created and executed verification tests for package and dependency functionality.

> **Automation and Controls Vision Engineer**, **Rotation 2**   **Summer 2021**
> - Designed and optimized vision programs for assembly line automation, ensuring accurate object detection, orientation, and high-speed processing.
> - Collaborated with robotics teams to position cameras for optimal image capture, improving overall system performance.

Tank Farm Projects Intern, Washington River Protection Solution,
Hanford Site, Richland, WA
Summers 2017 - 2019

- Contributed to multiple engineering projects, including designing tools for safety and reliability, analyzing equipment failure rates, and developing studies to optimize operations.

Skills

- Tools/Technologies: SolidWorks, Docker, Microsoft Dev Boxes
- Python, JavaScript, NodeJS, React, C, Markdown, SQL

Clubs/Extracurricular

- Jumpstart – Assisted in integrating new employees into company culture through organizing events and professional development opportunities.