

# JULIE K. RODRIGUEZ

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## EDUCATION

### Washington State University

Everett, WA | May. 2023

Bachelor in Software Engineering, Minor in Mathematics

- President Of Society Of Women Engineers
- Vice President Of Association Of Computing Machinery

## TECHNICAL SKILLS

**Languages:** Python, C#, C++, C, Java, JavaScript, SQL, Swift, TypeScript, HTML/CSS

**Tech/Frameworks:** MongoDB, Express, React, Node, AWS, Git, MySQL, Django, .NET, Vue, Angular

**Certifications:** Google Management Professional (PMP), National Association of Rocketry (NAR)

## WORK EXPERIENCE

### Brightly Software | Software Engineer

Remote | May 2023 - Sep. 2023

- Frontend developer for an event manager application, ensuring a visually appealing and user-friendly interface.
- Collaborated with a team of 5 engineers to design and implement responsive and accessible UI features.
- Successfully optimized a complex codebase, swiftly addressing critical software issues and bugs promptly.
- Reduced the global navigation bar loading times by 20% and redesigned it using material-ui.
- Actively participated in daily stand-up meetings in an agile work environment to meet project milestones and evolving requirements.

### Schweitzer Engineering Laboratories | Software Engineer

Everett, WA | Sep. 2022 - May. 2023

- Led the development of a full-stack augmented reality web application.
- Designed the front end using Material UI in React.
- Planned content organization and page layout prototypes in Figma, optimizing user experience.
- Implemented a robust RESTful API backend using Node.js and Express with SQLite, ensuring efficient data management.
- Collaborated closely with two electrical engineers throughout the planning and development process, fostering effective teamwork and successful project completion.

### Washington State University | Software Engineer

Everett, WA | Aug. 2021 - Aug. 2022

- Programmed arduino's used in the Washington State University local rocket launches.
- Conducted controller demonstrations for a team of 13 mechanical and electrical engineers.
- Created a data recording application that logged sensor data from the on-board sensors and saves it to microSD.

### Everett Community College | Computer Science Tutor

Remote | Jun. 2020 - Jun. 2021

- Provided comprehensive tutoring support to five undergraduate students in Data Structures and Algorithm courses.
- Demonstrated effective technical communication skills by conveying complex ideas in a clear and accessible manner, fostering a deeper understanding of the subject matter.

## PROJECT SAMPLES

### Online Bookstore Platform

- Developed a full stack bookstore platform allowing users to browse, add to cart, and make purchases.
- Utilized React for the frontend, Node and Express for server-side logic and API endpoints.
- Incorporated MongoDB for storing book information, user data and order history.
- Implemented JSON web tokens for user authorization.

### 2FA Time One Time Password (TOTP)

- Developed a backend two-factor authentication application.
- Implemented with Node.js and Express in JavaScript.
- Utilized postman and the google authenticator for TOTP.

### Excel Spreadsheet

- Developed a spreadsheet capable of edits, mathematical computations, saving, and loading.
- Utilized C# and the .NET framework in visual studio.
- Ensured design responsiveness by following test driven development.

### Yelp Data Search Application

- Developed an app to perform searches on yelp and pull out pertinent data.
- Front end WPF communicates with a backend postgres database using SQL queries.
- Iterative design following the spiral software development life cycle.