

JULIE K. RODRIGUEZ

Seattle, WA, USA | julietdevops@gmail.com | (206) 887-1087 | <https://iamjulie.netlify.app/>

EDUCATION

Washington State University

Everett, WA | Jan. 2024

Bachelors of Science in Software Engineering and Minor in Mathematics

- **Relevant Coursework:** Data Structures, Algorithms, OOP, Data Mining, Discrete Math, Cyber Security, Database Systems
- **Extracurriculars:** Society of Women Engineers as President, Association of Computing Machinery as Vice President, Rocket Team as Lead Software Engineer

TECHNICAL SKILLS

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

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

WORK EXPERIENCE

Brightly Software

Remote | May 2023 - Sep. 2023

Software Engineer Intern

- Developed and implemented responsive UI/UX features for an event management application, optimizing user experience; collaborated with a team of 5 engineers to enhance functionality and increase user engagement by 40%.
- Successfully optimized a complex codebase in Angular, reducing load times by 30%, enhancing overall performance, and swiftly addressing critical software issues and bugs promptly.
- Redesigned global navigation bar using Material UI and reduced loading times by 15%.
- Actively participated in daily stand-up meetings in an agile work environment to meet project milestones.

Everett Community College

Remote | Jun. 2020 - Jun. 2021

Computer Science Tutor

- Provided comprehensive tutoring support to 12 undergraduate students in Data Structures and Algorithms courses.
- Orchestrated dynamic lectures and facilitated engaging discussions for 20+ students, simplifying intricate technical concepts and enhancing comprehension by 40%, leading to improved exam scores.

Washington State University

Everett | Seasonal

Girls Discover STEM Mentor

- Developed a structured lesson plan for high school students' introductory computer science course, comprising 10 modules on topics like conditional loops, if statements, logical operators, and function calls.
- Achieved a 98% completion rate and a 90% increase in comprehension based on pre- and post-assessment scores.
- Showcased WSU's engineering programs to a group of 55 students, adeptly addressing their inquiries and emphasizing the importance of diversity in the fields.

PROJECT SAMPLES

Schweitzer Engineering Laboratories

Capstone

- Led the development of a full stack augmented reality web application following the SDLC.
- Planned content organization and page layout prototypes in Figma, optimizing user experience.
- Implemented a robust RESTful API backend using Node 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.

Online Bookstore Platform

Personal

- Developed a full stack bookstore platform allowing users to browse, add to cart, and make purchases.
- Utilized React for the front end, 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.

Excel Spreadsheet

Coursework

- 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.

Housing Market

Coursework

- Developed a housing market application leveraging 5,000 kaggle datasets, enabling users to access predictions and trends.
- Employed Python libraries NumPy and Scikit within visual studio to develop a robust linear regression model.
- Integrated data visualizations techniques to enhance user understanding of market dynamics and predictions.