JULIE RODRIGUEZ

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EDUCATION

Western Governors University <div align="right">Remote | Expected: Oct. 2025</div>
Masters of Science in Data Science

Washington State University <div align="right">Everett, WA | July 2024</div>
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 President, Association of Computing Machinery Vice President, Rocket Team Member

TECHNICAL SKILLS

Languages: Python, C#, C++, C, Java, JavaScript, SQL, Swift, TypeScript, HTML/CSS
Tech/Frameworks: MongoDB, Express, React, Node, AWS, Azure, Git, Jira, Agile, scrum, confluence, MySQL, Django, .NET, Vue, Angular
Certifications: CompTIA security+, National Association of Rocketry

WORK EXPERIENCE

Siemens <div align="right">Remote | May 2023 - Sep. 2023</div>
Software Engineer Intern
- Developed UI/UX features for an event management application.
- Swiftly addressed and fixed critical software issues and bugs.
- Redesigned global navigation bar using Material UI, reducing loading times by 30%.
- Actively participated in daily stand-up meetings within an agile work environment to meet project milestones.

Everett Community College <div align="right">Remote | Jun. 2020 - Jun. 2021</div>
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 <div align="right">Everett, WA | Seasonal</div>
Girls Discover STEM Mentor
- Developed a structured lesson plan for high school students' introductory computer science course, comprising 5 modules on topics such as 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 highlighting 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.
- Employed the MVC architecture to ensure a maintainable code structure.
- 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.