JULIE K. RODRIGUEZ

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EDUCATION

Washington State University Aug. 2021 – Dec. 2023
Bachelor of Science in Software Engineering, Minor in Mathematics

TECHNICAL SKILLS

Languages: Python, C#, C++, Java, JavaScript, SQL, ReactJS
Technologies/Frameworks: MongoDB, Express.js, React, Node.js, GIT, MySQL, SQlite, Next.js
Certifications: Google Management Professional (PMP), National Association of Rocketry (NAR)

EXPERIENCE

Everett Community College | *Computer Science Tutor* Jun. 2020 – Present
- Tutored five undergraduate students in Data Structures and Algorithm courses
- Strengthened students' knowledge resulting in three students receiving a 3.5 GPA and above
- Expanded technical communication skills by expressing concepts to students

Washington State University | *Rocket Team Software Engineer* Aug. 2022 – Jun. 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 a microSD

Washington State University | Mentor and Instructor *for Girls Discover STEM* Seasonal
- Designed two lesson plans in an introduction to computer science curriculum for high school students
- Instructed conceptions in-person such as conditionals, loops, and functions in Visual Studio Code using Python
- Presented to 55 high school students about the various engineering programs offered at Washington State University
- Promoted inclusion and diversity within STEM fields by giving encouraging presentations to future engineers

PROJECTS

Schweitzer Engineering Laboratories
- Developed a full stack augmented reality work instruction display web application
- Designed the frontend with Material UI in React
- Planned content organization in Figma to create the page layout prototype
- Created a RESTful API backend using Node.js and Express with SQlite
- Collaborated with two electrical engineers throughout the planning and development process

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

IamJulie Portfolio
- Developed a frontend for my personal portfolio with NextJS
- Utilized the tailwind CSS framework
- Included a contact form for users to reach out and send an email
- Ensured design responsiveness for both desktop and mobile platforms

SWE Club Portfolio
- Developed a full stack web application capable of keeping members up to date on events
- Implemented with MongoDB, Express, React and Node.js
- Planned content organization in Figma

EXTRACURRICULARS

Society of Women Engineers (SWE) Club | *Chapter President* Aug. 2021- Present
- Restarted this club after covid-19
- Expanded the chapter from zero to 13 members in the span of one month
- Created a mentor program for community college students interested in STEM
- Organized the club to attend the Society of Women Engineers 22 national conference

Association of Computing Machinery (ACM) Club | *Chapter Vice President* Aug. 2021- Present
- Organized events such as a hackathon by raising funds from local businesses
- Hosted events such as a "learning GIT" session for incoming students