

# JULIE K. RODRIGUEZ

[kristinadev0@gmail.com](mailto:kristinadev0@gmail.com) | <https://iamjulie.netlify.app/> | 425-236-8555

## 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

### Excel Spreadsheet

- Developed a spreadsheet capable of edits, saving, and loading
- Utilized C# and the .NET framework in visual studio
- Ensured design responsiveness

### Yelp Data Search Application

- Developed a 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 spiral software development life cycle

## 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