

## **Catherine Wheeler-Mushlin**

Full Stack Software Engineer

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### **SUMMARY**

Full Stack Software Engineer with 7+ years' experience in Science Education. Strengths include analytical thinking, fast-learner, and excellent communication skills. Expertise in Javascript, MERN stack, and PostgreSQL.

### **SKILLS**

Javascript | SQL | PostgreSQL | Python | Problem Solving | HTML5 | CSS | SCSS | Project Management | Mongoose ODM | MongoDB | Express.js | React.js | Heroku | REST APIs | Node.js | Postman | Google Ninja

### **SOFTWARE ENGINEERING PROJECTS**

**Software Engineering Immersive** | General Assembly | Remote

June 2022 - December 2022

Successfully completed 500+ hours of expert-led instruction in web development with hands-on learning of deployment, data structures, project management, and the industry's most in-demand technologies. Developed projects, include:

- Gumbo's Game: Engaging single-player game planned and developed with HTML, Javascript, and CSS, deployed on gitpages.io
- Book Bean: Dynamic web application created to increase revenue for independent coffee roasters by recommending products based on a user's literary preferences utilizing Google Books API, PostgreSQL, Javascript, Express, and React
- VolunTiers: MERN stack application targeting users interested in volunteering in their communities and organizations wishing to manage their volunteers. Served as tech lead and full stack engineer.

### **PROFESSIONAL EXPERIENCE**

**Chaparral High School**

July 2020 - Present

*Science Teacher, Parker, CO*

- Created and deployed course components for 5 preps in accordance with Colorado's content standards, while maintaining highly effective state educator rating.
- Managed physical and virtual classroom environments for up to 150 students per year.
- Utilized open-source content and technology tools to maximize student outcomes, resulting in 81% of students showing growth in data analysis and core science skills (VAM 2020-21).

**Frontier High School**

Oct 2016 – Jul 2020

*Science Teacher, Elizabeth, CO*

- Sourced, planned, created, and implemented lessons for 120 science students in an alternative setting, adjusting as needed to meet district and individuals' goals.
- CK-12 Foundation Certified Educator
- Integrated new technologies into curricula to foster student innovation and success.
- Collaborated with staff to implement two different SEL programs.
- Wrote/received grants to obtain updated equipment for the science program.
- Organized, planned, and led multiple experiential education trips per school year.

### **EDUCATION**

**General Assembly**, Remote

*Certificate, Software Engineering Immersive (SEI)*

December 2022

**College of Medicine, University of Florida, Gainesville, FL**

*Master's Certificate in Medical Anatomy and Physiology*

**Bowdoin College, Brunswick, ME**

*BA in English, minor: Chemistry*