

Catherine Wheeler-Mushlin

Full Stack Software Engineer

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<https://github.com/CatW-M> | <https://www.wheelermushlin.com> (Portfolio)

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 420 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.
- Collaborated with staff to implement two different SEL programs.
- Wrote/received grants to obtain updated equipment for the science program.

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