

# Catherine Matson, Software Engineer

[Email](#) | [LinkedIn](#) | [GitHub](#)

## TECHNICAL SKILLS

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**Languages:** Typescript, JavaScript, SQL, JSON, EJS, CSS, HTML

**Libraries and Frameworks:** React, Express, Node.js, Bootstrap, Semantic UI

**Databases and other:** PostgreSQL, MongoDB, Sequelize, RESTful Routing, JSON API

## TECHNICAL PROJECTS

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**Shoe Collector App** - [App](#) | [GitHub](#) - Typescript | React with Vite tool | Javascript | CSS | HTML

- PERN-stack application, built with PostgreSQL and JWT authorization to allow users to collect and share their shoe collection with friends. Includes full CRUD functionality.

**Cookbook App** - [App](#) | [GitHub](#) - JavaScript | CSS | EJS

- MEN-stack application with full CRUD functionality. The "Class Cookbook" app uses Google Oath, MongoDB / Mongoose, Express, and Node.js to allow users to collect recipe links to share with friends.

**Fortune Teller App** - [App](#) | [GitHub](#) - React | Javascript | CSS | HTML

- Lead a team in building a MERN-stack app with a NoSQL database that gives users random positive messages generated by another user from the app. Implemented Agiles strategies as our Github manager, including leading stand-ups and downs and managing our Trello board.

**Undersea Adventure Game** - [App](#) | [GitHub](#) - Vanilla JavaScript | CSS | HTML

- A Choose-Your-Own-Adventure style game built to utilize array indexing to advance the story based on the user's choices. The design is responsive and mobile-friendly.

## EXPERIENCE

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Project Coordinator at Clean Energy Institute, University of Washington *Seattle, WA, 06/2022 - 11/2022.*

- Managed a team of five to run the Clean Energy Seminar Course for a complete cycle, leading all aspects of planning, travel, and budget. Doubled audience attendance from the 2021 - 2022 academic year.
- Lead project to transition the department's cloud storage from Google Suite to Microsoft Office Suite.

Science Teacher at Seattle Public Schools *Seattle, WA, 08/2018 - 06/2022*

- Department leader for onboarding 150 students to Microsoft Office 365, Teams, and OneNote using original training materials with Universal Design for Learning to meet accessibility needs.
- Using data, I increased students' ability to create and use models to predict phenomena from 25% to 95% within four months, reaching company goals in half the anticipated timeline.

Technical Instructor at Institute for Systems Biology *Seattle, WA, 06/2019 - 07/2019*

- Designed and implemented a lab-based science course on Systems Biology, Bioethics, and Genetic Research for 24 students from 10 local school districts.
- Demystified scientific technologies for students, including Cytospace and bioinformatics tools, to engage students' analytical and mathematical skills.

## EDUCATION

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Software Engineering Fellow at General Assembly *Seattle, WA, 11/2022 - 3/2023*

- Full-stack software engineering 500+ hour training program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Proven track record of picking up new technology quickly in a fast-paced and rapidly changing collaborative environment.

The University of Washington, Bachelor of Science in Biology/ Biological Sciences  
Western Governor University, Master of Arts in Science Education

Seattle, WA  
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