

Elysa Ward

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Summary

Full-stack software engineer with a strong foundation in Mathematics and Education. Brings analytical problem-solving skills and clear technical communication to building innovative, user-focused web applications. Experienced in collaborative development environments with a commitment to writing clean, maintainable code. Leverages teaching background to effectively break down complex problems and embraces continuous learning to drive creative solutions within development teams.

Technical Skills

Languages/Frameworks: React, JavaScript, Typescript, HTML, CSS, Node.js, Tailwind CSS, Ruby, Ruby on Rails, SQL

Testing: Rspec, Cypress, FactoryBot, Faker, WebMock, VCR

Databases: PostgreSQL, SQLite

Tools/Practices: Agile development, Scrum Methodology, Git, GitHub, RESTful APIs, Unit Testing, Test Driven Development, Continuous Integration, Jira, GitHub Actions, CircleCI, UI /UX, Figma, Bash, GitHub Projects, Heroku, Postman, Postico, Miro

Currently learning: Python, Next.js, C#, Unity, Cursor

Education

Accredited Certificate | Full-stack Development 05/2025
Turing School of Software and Design | Denver, CO

B.A. in Mathematics | Minor in Computer Sciences 12/2022
Metropolitan State University of Denver | Denver, CO

Projects

Tracker - Agile Team

[Live Site](#) | [BE Repo](#) | [FE Repo](#)

Technologies: React, Typescript, Tailwind CSS, Ruby on Rails, Rspec, PostgreSQL, Cypress, Circle CI

Description: Job tracking application that organizes contacts, target companies, and application status in a centralized dashboard.

- Enhanced user experience through UI optimization and responsive design implementation
- Refactored codebase with isolated interfaces, improving maintainability and scalability
- Integrated third-party libraries for rich text formatting, expanding document editing functionality

RepRadar - Group Project

[Live Site](#) | [Repo](#)

Technologies: React, Ruby on Rails, Rspec, PostgreSQL, Cypress, 5Calls API, Federal Register API

Description: Web application that helps users stay informed about executive orders and connect with their representatives using zip code search.

- Designed intuitive React/CSS front end to improve user experience and interaction
- Implemented 10+ Rails API endpoints in backend to retrieve and filter targeted data (name, district, party, contact info) from 5Calls API
- Participated in 3+ daily remote code reviews with team members to ensure adherence to best coding practices and maintain high-quality codebase

Bloom&Brew - Solo Project

[BE Repo](#) | [FE Repo](#)

Technologies: React, CSS, Cypress, Ruby on Rails, Rspec, PostgreSQL

Description: Administrative portal for tea subscription management, providing business managers with subscription tracking, customer insights, and tea selection oversight

- Completed in 16 hours as a Technical exercise
- Built 3 back-end API endpoints for subscription management using Active Record and SQL
- Developed React front-end with dynamic data display and sorting functionality

Professional Experience

Student Teacher @ Denver Public Schools, Denver, CO 08/2017 - 12/2019

- Presented interactive Pre-Calculus lessons to 20+ students (grades 9-12), increasing class participation and concept comprehension
- Provided one-on-one tutoring, improving student confidence in English prompt analysis and independent algebra problem-solving
- Collaborated with teachers on Math projects, significantly improving student retention and performance