

# Renee Messersmith

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## EDUCATION

### Pasco-Hernando State College | Dade City, FL

A.S. in Unmanned Vehicle Systems Operations | GPA: 4.0

01|2020 – 12|2022

**Relevant Courses:** Accredited ACCET Software Engineering Certificate

## PROJECTS

### Down the Rabbit Hole | [Demo](#) | [Frontend](#) | [Backend](#) | 5 Person Team | 120 Hours

Tech: React, Cypress, React Router, JavaScript, HTML, CSS, Ruby on Rails, RSpec

- Developed an interactive educational web app for exploring animals, ecosystems, and food chains, featuring animals found throughout the national parks
- Created RESTful APIs utilizing Test Driven Development (TDD) and RSpec to reach 100% total test coverage
- Designed with web accessibility standards, incorporating WAI-ARIA tags, keyboard navigation, semantic HTML, and an optional OpenDyslexic font toggle, achieving a 100% accessibility score on Lighthouse

### Tracker | [Frontend](#) | [Backend](#) | 13 Person Team | 4 Weeks

Tech: React, Cypress, React Router, TypeScript, HTML, Tailwind CSS, Ruby on Rails, JWT, RSpec

- An application for tracking companies, managing contacts, and organizing job applications all in one place
- Designed intuitive and user-friendly interfaces for the contacts view and navigation bar, enhancing overall usability and user experience
- Developed secure and efficient API endpoints for managing contacts, incorporating user verification through authorization tokens to ensure data protection

## WORK EXPERIENCE

### Software Developer (Apprentice) | Road to Hire

10|2025 – Present

- Provided detailed technical briefings on complex concepts to peers, improving shared understanding and operational efficiency
- Designed scalable, user-friendly applications using web accessibility standards and Mobile First Design principles for impactful user experiences across diverse audiences
- Expanded technical skillset by deepening proficiency in JavaScript and React while learning Node.js to build more dynamic, full-stack applications

### Software Developer (Internship) | Turing School of Software and Design

06|2024 – 01|2025

Accredited ACCET Software Engineering Certificate

- Developed dynamic, responsive, and accessible user interfaces and web applications using React, JavaScript, and TypeScript, ensuring seamless performance, enhanced user experience, and inclusivity across all devices
- Engineered RESTful APIs with Ruby on Rails, optimizing data flow and integrating third-party APIs for enhanced functionality while maintaining high test coverage using RSpec and WebMock
- Collaborated in Agile development teams to design and build full-stack web applications, managing work through project boards, daily standups, and iterative feedback cycles

## TECHNICAL SKILLS

**Languages/Frameworks:** React, Angular, JavaScript, TypeScript, HTML, Tailwind, CSS, Ruby, Rails, PostgreSQL

**Testing:** TDD, Cypress, RSpec, SimpleCov, WebMock, VCR, ShouldaMatchers

**UI/UX/Design:** User story development, wireframes, responsive design

**Tools/Workflow:** Github, Git, Postman, Slack, REST APIs, Heroku, Vercel, Faraday, CI/CD, MUI