Emma Gonzalez

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EDUCATION

The University of Texas at Dallas | *B.S., Computer Science* **May 2026**

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, Java, JavaScript
- **Relevant Coursework:** Data Structures and Algorithms, Advanced Algorithm Design & Analysis, Software Engineering, Linear Algebra, Operating Systems, Computer Architecture

EXPERIENCE

CLEAR x Girls Who Code | *Project Management Fellow* **May 2025 - Jun 2025**
- Mastered project management concepts through 6 intensive workshops, culminating in a final presentation that CLEAR representatives praised for its convenience and user-focus.
- Led collaboration with a 4-person cross-functional team to apply project management concepts, using customer-focused design and agile sprints to validate a product concept addressing three key use cases, which were successfully validated and accepted by stakeholders
- Designed and built a prototype with React and Tailwind CSS, applying secure coding practices and user-focused UI components, which received positive feedback from mentors for its usability and security

JCG Electric | *Front-end Development Intern* **May 2024 - Aug 2024**
- Developed the company website (www.jcg-electric.com) using HTML, CSS, and JavaScript, taking it from concept through deployment and enhancing the company's online presence
- Deployed the website to production using AWS Amplify, which improved accessibility, performance, and functionality for all users
- Conducted testing on more than five devices and browsers with stakeholders, identified and fixed critical bugs, and delivered an experience that met all project requirements

Indigo Magazine | *Lead Web Developer* **Sep 2023 - Present**
- Led development and ongoing maintenance of Indigo Magazine's website (www.indigomagazinetx.com) using React, TypeScript, HTML, CSS, and JavaScript, delivering a responsive design that worked on all devices and increased mobile traffic
- Managed GitHub version control and issue tracking, and applied performance enhancements using analytics data, which reduced page load time and improved user satisfaction
- Collaborated with design and editorial teams to prioritize features and improve user experience, delivering updates on schedule and boosting reader engagement
- Managed website operations that supported over 1,000 monthly views, expanding Indigo Magazine's digital reach and increasing audience engagement

PROJECTS

PrepPal | *RTX Fellowship Project* **Aug 2024 - Nov 2024**
- Created PrepPal, a mobile application leveraging React, Next.js, and TailwindCSS, featuring a user-friendly meal planner that generates 100+ weekly budget-friendly recipes for college students.
- Integrated Google Sheets API to manage 100+ recipe database entries with customizable filtering by dietary restrictions and time constraints, improving user experience and meal planning efficiency
- Partnered weekly with RTX mentors and fellows to iterate on product direction, prioritize features based on user testing, and refine the app's UI/UX for maximum impact and usability.

Pathway to Dream | *Girls Who Code Project* **May 2022 - Aug 2022**
- Developed a user-centric website with a JavaScript, HTML, and CSS front-end, designed to empower users to advocate for social issues.
- Implemented a dynamic fact generator and an automated letter tool, enabling direct communication with senators and significantly streamlining advocacy efforts.
- Earned the Web Design for Social Good Certification from Girls Who Code, validating expertise in creating accessible and impactful digital tools for civic engagement.