

Edgar Rodriguez

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Portfolio: <https://edgarjrodriguezcodes.netlify.app/>

Technical Skills

Languages, Libraries & Frameworks

Python, JavaScript, React, Node, Swift, Java, HTML5, CSS3, Flexbox, MongoDB, PostgreSQL database, Numpy, TensorFlow, Keras, Fluent in Spanish

Tools & Skills: *Git, Github, JIRA, Figma, Adobe XD, Photoshop, Illustrator*

Projects

Guess Who, iOS App

Jun 2024

- Digitized the classic board game Guess Who using SwiftUI, using an object-oriented approach to create reusable components like card decks, enhancing scalability and future-proofing the app.
- Utilized mapping and state variables for efficient state management, with plans to integrate multiplayer functionality using GameKit.

Campus Talk, Web App

Jan 2023 - Dec 2023

- Developed frontend components to allow users to create, delete, and comment on posts using useEffect React hook for a seamless user experience without refreshing the page.
- Integrated third-party APIs to dynamically fetch and render college data and gifs.
- Designed the user interface in Figma, by translating wireframes into visual design components. Then, I implemented the design into clean, efficient HTML and CSS code.

Professional Experience

Lead Technical Instructor, Frost Equity Initiative

Jun 2023 - present

- Led interactive coding workshops. Focusing on modern JavaScript practices, ensuring students gained hands-on experience with DOM manipulation and event handling.
- Guided students through the creation of web applications, from concept to deployment, emphasizing front-end principles like accessibility and component-based architecture.
- Facilitated project version management, maintaining backup versions of student projects allowing students to fork and continue their work smoothly after errors.
- Created daily reports and measured learning outcomes to quantify the effectiveness of instruction, ultimately raising the class average from no knowledge to 88%

Full Stack Developer, Heaven Doors - Freelance

Sept 2024

- Collaborated with client to gather requirements and designed the UI in Figma, ensuring alignment with the company's goals and branding before proceeding to development.
- Developed a responsive product showcase website using React.js, implementing features like dynamic image galleries with Lightbox functionality, optimized for all screen sizes.
- Integrated a headless CMS (Contentful) via API, enabling the client to manage gallery photos and product tags without code knowledge, ensuring seamless updates without rebuilding the site.
- Implemented product filters and a contact form with validation, allowing users to sort products by type and material while ensuring clear, user-friendly navigation and communication.

Education

B.S. Computer Science, California State University Long Beach

Aug 2019 - May 2024