Miguel Ramos

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SUMMARY

Frontend Engineer with a proven ability to deliver robust, effective products in collaborative settings under strict and often tight time constraints. As an effective team member, I collaborated with numerous stakeholders to design and develop an ecommerce website for a cannabis company which generates over $1.2M in revenue annually. Always seeking technical upskilling and personal growth, I expanded my coding acumen through a 1,000+ hour coding Bootcamp focused on JavaScript and React to improve my frontend engineering skill set. I am now eager to apply these valuable skills to obtain a challenging position on a collaborative development team focused on creating high-quality, intuitive front-end applications.

EDUCATION

Drexel University - BS Computer Science & Information Systems   **Philadelphia, PA**
Thinkful - Software Engineering Program   **Remote**
Learned industry best practices and practical software development standards with a focus on HTML5, CSS3, JavaScript, jQuery, Node.JS, React and algorithms and data structures. I created and deployed mobile-first applications while learning new languages and frameworks by collaborating several hours every week with 2 senior web developers.

EXPERIENCE

Heavenly Buds - Frontend Engineer   **Longview, WA** 2017 - Present
Designed, developed, and led the development process of an ecommerce website for a legal recreational cannabis company. Collaborated with CEO, management, employees, retail clients and 2 freelance engineers to create an application used by over 100 retail stores. Responsible for project time management, user research, application design, deployment, new projects and continued maintenance.
- Conducted user research with over 30 retail clients and staff to determine requirements for the application.
- Collaborated with 2 freelance developers in designing and developing ecommerce site theme, product details, and presentation, increasing the SEO Lighthouse Accessibility from 76 to 94.
- Managed project deliverables and deadlines for developing the ecommerce application by setting goals and leading weekly reviews.
- Built a responsive and user-friendly application with CSS, allowing retail clients to execute their purchases on their mobile devices, creating a better user experience.
- Utilized the Members WordPress plugin for user management, role capabilities, and backend authentication to ensure a secure, seamless login process.

PROJECTS

Stocks Analysis (Link to Project)   January 2021
This app allows users to search for any publicly listed US company and view company information, trending news, and stock data. Users can also educate themselves on stock and options investing through qualified YouTube videos. In this project I used a working knowledge of HTML, CSS, JavaScript, jQuery, and API Integrations.
- Designed the application to be intuitive and user friendly with a focus on allowing the user to search by company or ticker symbol.
- Integrated with the AlphaVantage API, Contextual Web Search API, and YouTube API to asynchronously display search results.
- Implemented media queries to respond to various user media states creating a responsive, mobile-friendly web app.
- Incorporated JavaScript and jQuery to dynamically add and remove HTML elements dependent upon the state of the application.
- Applied the Global Event Handlers onerror property to the news images in order to provide a placeholder in the event the responses' image url was missing or not accessible.

Sorting Algos Visualized (Link to Project)   September 2021
This application allows a user to learn and analyze a sorting algorithm. The user is able to select from a list of Sorting Algorithms (i.e. BubbleSort, MergeSort, SelectionSort), the number of elements in an array (represented by bars), and also randomly assign values to those elements. Users can visually see the sorting process step by step and can utilize a control panel to play, pause, speed up, slow down, step forward or step backward through the sorting process. The application also provides a description and time complexity information for each algorithm.
- Implemented JavaScript functions which control play, pause, step forward/backward and playback speed for the sorting process.
- Built reusable components with React that dynamically render the step-by-step processing for selected sorting algorithms, effectively diminishing code redundancy.
- Designed mobile responsive experience using CSS media queries and developed the app in React and CSS while deploying through CICD pipeline onto Netlify.

Wisdom Pet Medicine Appointments (Link to Project)   March 2021
This app allows a user to request an appointment with a veterinarian by providing the pet name, appointment date/time and notes for the visit. Appointment requests can also be updated, deleted or sorted by date, Owner or Pet Name.
- Rapidly developed the application using Bootstrap CSS framework while ensuring a mobile-first design and incorporated an icon library for ease of use, wide range of high quality options, and easy customization
- Dynamically and conditionally render components by leveraging React's virtual DOM to quickly change views, eliminating reloading.