Charles Gale

charliegale16@gmail.com | www.github.com/charliegale16 | www.linkedin.com/in/charlesgale1 | (781) 626-2856

EDUCATION

California State University: Fullerton   Aug 2018 - Jan 2023
Bachelor of Science (BSc) in Computer Science

Relevant Coursework: Data Structures, Algorithm Engineering, Operating System Concepts, Discrete
Mathematics, Introduction to Python, Mobile Application Development, Artificial Intelligence

SKILLS

- **Languages:** C, C++, Python, JavaScript, HTML,CSS, Swift
- **Frameworks:** React, Bootstrap, Express, NodeJS, SwiftUI, Selenium
- **Databases:** Firebase, MongoDB, Mongoose, Postgres, MySQL, Amazon S3

PROFESSIONAL EXPERIENCE

Freelance Website Designer | Corona, CA   Mar 2019 - Oct 2022
- Collaborated in close communication with clients and launched a satisfactory product with meeting deadlines.
- Establishing design guidelines, standards, and best practices to ensure quality service.
- Designing visual imagery for websites and ensuring that they are in line with branding for clients.
- Working with Wordpress and HTML/CSS to design websites that are SEO optimized across all platforms.

PROJECTS

CloudMap | Full-Stack Application | Firebase, Javascript, HTML/CSS, Google Maps API
Fully deployed application that displays information based on datasets using Google Maps API.
- Designed and developed a responsive and intuitive user interface, focusing on optimization for both web and mobile devices to ensure a seamless user experience.
- Implemented CRUD operations for manipulating data in the Firebase database.
- Integrated the Google Maps API to provide interactive maps displaying data based on different data sets.

Chatter | Full-Stack Application | Express, React, NodeJS, OpenAI API
Personal AI chat that gives advice & information using OpenAI API.
- Constructed a robust back-end using Node.js and Express.js for handling API requests and routing.
- Utilized version control systems like Git to manage and track changes during the development of CRUD functionality.
- Integrated the OpenAI API to deliver real-time, personalized advice to users, catering to their specific needs.

Workout Generator | Full-Stack Application | React, Bootstrap, ExerciseDB API
Created a Random Workout Generator utilizing the ExerciseDB API, tailored to user input.
- Engineered a feature that enables users to input their target areas, generating random workouts based on their input.
- Integrated ExerciseDB API into the application, allowing seamless access to a diverse range of exercise information to enrich the user experience.
- Developed a user interface with a responsive design, ensuring accessibility and optimal user experience across a variety of devices and screen sizes.

Store Shopping Bot | Automated Web-Tool | Python, Selenium
Personal Selenium Shopping Bot used to purchase GPUs on Best-Buy.com
- Uses Selenium framework to search for an item on a page or use a link.
- Implemented Google Chrome driver that can run on all different operating systems, headless system for faster and more efficient processes.
- Refreshes through multiple pages with multithreading in order to quickly add newly stocked items to cart and automatically checkout.