

SHABAB CHOWDHURY

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GitHub: <https://github.com/shababrc>

SUMMARY

Collaborative leader with dedication to collaborating with coworkers to promote more engaging, empowering, and efficient work culture. Documented strengths in building and maintaining relationships. Seeking an entry level role as a software engineer within a tech company that will allow for professional growth and enriching experience as well as a valuable contribution to any organization.

TECHNICAL SKILLS

Technical Languages: JavaScript, React, Python, Java, CSS, HTML, React

Technologies: IDE, Git, Virtualbox Concepts: OOP, MERN, CRUD, REST, SQL Database Management, MySQLServer, NodeJS, REACTJS, Maven Libraries, JUnit Testing, JDBC Database Connection, DAO Abstraction, Agile SDLC, Jira, Scrum, Git, GitHub, Postman, Slack, Zoom, Xcode, Android Studio, Jupyter Notebooks, Microsoft Office: i.e. Word, Excel, PowerPoint, Google Suite, i.e. Docs, Slides, Sheets, Pages & Keynote, MATLAB & SPSS IBM Statistics.

PROJECTS

Name: Lyrassist

GitHub Repo: <https://github.com/Rbustan0/Lyrassist>

Deployed Application: <http://www.lyrassist.ai>

Description: Lyrassist is a web application that leverages OpenAI GPT-3.5 to generate lyrics for various music genres. With the use of GraphQL and the MERN (MongoDB, Express.js, React, Node.js) stack, Lyrassist provides an intuitive and interactive platform for lyric generation. Whether you're a seasoned musician or a budding songwriter, Lyrassist is here to inspire you and elevate your musical creations to new heights.

I implemented this with my group member with various steps, first we set up MERN structure, with file structure and client and server code. Define Models and schemas as well as mutations, and queries. Setting up frontend, including homepage, profile page, and lyrics, as well as implement Login and Logout functions. Implement a generate lyrics function based on a prompt sent to ChatGPT, then save lyrics generated to users Profile page, in a carousel page format. Provide edit lyric function in pop up modal as well as capability to remove the lyric from the profile.

- ReactJs, Apollo Client, GraphQL, Bootstrap, CSS3, Node.js, Express.js, MongoDB, Mongoose

Name: Weather Dashboard

Github Repo: <https://github.com/shababrc/Weather-Dashboard>

Deployed Application: <https://shababrc.github.io/Weather-Dashboard/>

Description: A simple weather app for viewing future and current forecasts. A user can enter the name of a city and will be presented with neatly organized cards showing the current day's weather, including detailed information like temperature in fahrenheit, wind speed in mph, and humidity percentage. Also, we can retrieve the same information for the next five days of weather from OpenWeather API. The user's searches are saved as buttons, which can be clicked to show that previous searches weather again.

I implemented this by using jQuery to create a function to call OpenWeather API, and then use the fetched results to populate a card I had created. The card shows current weather of the same day, but I also implemented a row of cards to show the weather data that I had converted for the next five days.

- JavaScript, jQuery, DayJS, Bootstrap, HTML

Name: Fitness Tracker App

Github Repo: <https://github.com/harold-fv/project-setup>

Deployed Application: <https://harold-fv.github.io/project-setup/>

Description: We created a variable user fitness nutrition recommendation engine that gives personalized nutrition suggestions based on user health profile and their fitness goals. Based on user input the app's algorithms will calculate the BMR and it will provide food and exercise recommendations as well as daily caloric intake based on user fitness goals .

I implemented this by: Recording User health info input forms and a fitness goal selector that feeds the calculators for Basal Metabolic Rate (BMR) and BMI calculators, then routing two API functions to call for and receive responses from two APIs (Nutritionix and Edamam), then I implemented a searchbox and foodlog that allows the user to send their search query to the APIs to receive nutritional data in response. This pops up in a modal I implemented to display recommendations based on values outputted by my BMR and BMI calculators. Tested thoroughly by myself and other group members.

- JavaScript, EdamamAPI, Bootstrap, HTML

EXPERIENCE

2020-2021

Undergraduate Research Assistant: UX Intern

UCSD Design Lab

La Jolla, California

Under the direction of Don Norman and Colleen Emmenegger, made possible by collaboration with Ford Motor Company, explored the quickly developing future of driver-car relationships in the automation industry. Utilized speculative and secondary research as well as primary interviews in collaboration with 6 other design researchers. Attended & participate in weekly all-hands meeting with rest of Design Lab project interns. Regularly presented powerpoint slides on progress within teams in meetings.

Served as co-leader for team of 5 researchers including duties such as directing focus of research for sub-topic of relationships with vehicles, plan as well as conduct team meetings. Regularly met with principal researcher of UCSD Design Lab and Project Lead for check ins and advice on how to guide research. Conducted and collected research material from journals across the web including the use of Google Scholar. Compiled comprehensive literature review in Google Sheets that will be utilized for research on autonomous vehicles. Utilized field research by data collection via Google survey and video interviews with subjects.

2019

Software Engineer Intern (Full-Time): QA Engineer

Procore Technologies

Carpinteria, California

Worked as a full time QA Engineer Intern for the Documentations tool, one of Procore's core tools in their construction management software app. Also worked as lead QA Engineer for the Sync and Import app as well. Tested the developed features and branches pushed by devs across all platforms and browsers, as well as REST API testing with Postman and Fiddler. Attended daily scrum and stand-up meetings with Documentations team, and various intern oriented leadership workshops hosted by management and corporate. Worked within Agile SDLC timeline and fast-paced environment.

Collaborated with resident QA Engineers to thoroughly test the Documentations tool including identifying test scope, test planning, and mob testing. Conducted manual testing on mobile and tablet devices using iOS and Android platforms, as well as used Xcode and Android Studio to build out emulators based off feature branch. Logged bugs/defects in Jira, and created and provided team with post-test reports detailing test coverage for each feature ticket. Reviewed GitHub pull requests with designated developers prior to conducting manual testing, as well as update each branch of code to latest version via command line. Collaborated with Product Managers to identify tool vulnerabilities and risks, as well as collaborate with UX Designers to provide design and use-case input.

EDUCATION

University of California, Los Angeles Extension (2023)

Los Angeles, CA

Full Stack Web Development Boot Camp Certificate: A 12-week intensive program focused on gaining technical programming skills in: HTML5, CSS3, Javascript, JQuery, Bootstrap, Heroku, Node.js, MySQL, MongoDB, Express, Handelbars.js, and ReactJS.

University of California, San Diego (2016-2021)

La Jolla, CA

Bachelors of Science Degree B.S. in Cognitive Science w/ Minor in Psychology