Bob Tabrizi

bobtabrizi.herokuapp.com

(408) 666 - 1649 | btabrizi@ucsd.edu

San Jose, California

EDUCATION

University of California San Diego   **Graduated: Mar. 2021**

Major: Computer Science & Mathematics

SKILLS

- JavaScript
- ReactJS/React Native
- C++
- Java
- NodeJS
- NextJS
- noSQL/mySQL
- Linux
- Express
- Angular
- CSS/HTML
- Python

PROJECTS

Hello World, *Personal Project* (Web Page Application – Github)
- Web app in development that allows users to explore and discover sounds from nations around the world.
- Built with JavaScript using NextJS for front end with NodeJS, Express, AWS, and MongoDB for the back-end.
- Implemented a REST API that gathers and stores data from Spotify API endpoints for playlist querying.

GenSim, *Personal Project* (Game Based Probability App – Google Play)
- Mobile simulator based off of the game Genshin Impact with over 1,500 installs on Google Play.
- Updated biweekly to reflect in-game updates as well as improvements to interface and performance
- Built with JavaScript using React Native for front end components and Google Firebase for back-end data

BobAppetit, *Personal Project* (Food Recipe Generator – Google Play)
- Mobile app that generates food recommendations based on personal preferences (allergies, diet, cuisine)
- Recommendations are based on time of day, location, and weather, that can be liked or disliked by swiping
- Built with JavaScript using React Native and Google Firebase

AutoJava, *Personal Project* (Keyboard/Mouse Macro Recorder – Github)
- Desktop program that records inputs from mouse/keyboard and stores them in text files for real time playback
- Supports file saving and file search functionality for scripts made using the program or saved in system files
- Built with Java, utilizing the JNativeHook library

WORK EXPERIENCE

UC San Diego Information Technology Services   **Sept. 2019 – Dec. 2020**

ITS Lead Technician   *San Diego, CA*
- Communicated between IT departments on campus to solve complex networking or technological problems
- Collaborated with a team of other student technicians to improve the efficiency and accuracy of our services
- Helped work on web applications for use within the IT Department, using PHP and JavaScript

College Math Resource Center   **Sept. 2016 – Dec. 2017**

Mathematics Tutor   *San Diego, CA*
- As a math tutor I helped students with homework assignments and aided them in studying for their exams in the following subjects: Algebra 1 & 2, Calculus Series, Linear Algebra, and Differential Equations
- I worked with other tutors to organize better methods of preparing students for their courses by utilizing a "think tank system". This system resulted in higher test scores for students, improved from individual learning

NCAS Aero Scholars Program (NASA)   **Jan. 2017 – June. 2017**

Operations Engineer Navy Team   *Mountain View, CA*
- Selected to attend to a program onsite at Moffett Field with other hand-picked students across the nation
- Participated in building mock Mars rovers from scratch, programming the rover to autonomously maneuver around a field using ultrasonic sensors and pick up objects using mechanical components designed by the team

RELATED COURSEWORK

Advanced Data Structures, Computer Organization & Systems Programming, Algorithms & Systems Analysis, Graph Theory, Applied Linear Algebra, and Theory of Computation