

# Bob Tabrizi

[bobtabrizi.com](http://bobtabrizi.com)

(408) 666 - 1649 | [btabrizi@ucsd.edu](mailto:btabrizi@ucsd.edu)

San Jose, California

## EDUCATION

**University of California San Diego**

**Graduated: Mar. 2021**

Major: Computer Science & Mathematics

## SKILLS

- |                        |          |               |            |
|------------------------|----------|---------------|------------|
| • JavaScript           | • Java   | • noSQL/mysql | • Angular  |
| • ReactJS/React Native | • NodeJS | • Linux       | • CSS/HTML |
| • C++                  | • NextJS | • Express     | • 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