# Michael Li

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## EXPERIENCE

## **Explorify - Fullstack Engineer Github | App**

Feb 2020 - Mar 2020

- Developed a music streaming web application inspired by Spotify that enables users to browse and discover artists, albums, and songs, or create their own personal playlist.
- Created an audio player without external packages or libraries using DOM event listeners and Redux.
- Established user authentication and sessions using expirable JSON Web Tokens.
- Designed RESTful APIs enabling the exchange of data between the front-end client and back-end server.
- <u>Utilized</u>: MERN stack, JavaScript, HTML, CSS, Redux, JSON Web Tokens, Git, Heroku, AWS S3

## csBasics - Fullstack Engineer Github | App

Sep 2019 - Oct 2019

- Built a web application that teaches users the fundamental topics of computer science and java based programming.
- Developed a sorting visualizer that implements 6 different kinds of sorts and displays real time sorting.
- Tested front-end in multiple browsers and dimensions to ensure cross-browser compatibility and responsiveness.
- <u>Utilized</u>: MERN stack, JavaScript, HTML, CSS, P5.js, Git, Heroku

## Reservation System - Java Developer Github | Docs

Nov 2018 - Dec 2018

- Collaborated in a team of 3 students to develop a console-based movie ticket reservation system application by incorporating SQL database queries.
- Leveraged object-oriented programming to refactor admin and user SQL queries into Java classes and methods.
- Contributed to the user friendly client side interface and was responsible for white/black box testing.
- Utilized: Java, mySQL

## UniRooms - Lead Frontend Engineer Github | Demo

Jan 2018 - Dec 2018

- Led a team of 4 students in the frontend design and development of a mobile application that helps university students find housing and roommates near their school campus.
- Designed the user interface/experience (UI/UX) by creating visual prototypes/mock-ups for each application screen.
- Implemented the front-end and integrated node packages from design, test, and up to production deployment.
- Utilized: React Native, Firebase, Node.js, JavaScript, HTML, CSS, Git

## SKILLS

Programming Languages: Java, JavaScript, Python, PHP, C++, HTML5, CSS3

Libraries and Frameworks: React, React Native, Node.js, Express, Ruby on Rails, Redux, P5.js, Jest, openFrameworks

**Databases:** MongoDB, mySQL, Firebase **Version Control and Hosting:** Git, Heroku

**AWS and Enterprise Software:** S3, EC2, Lambda, API Gateway, Ansible **Design and Visualization:** Adobe Photoshop, Figma, Justinmind, Tableau

#### **EDUCATION**

## **Bachelor of Science, Software Engineering**

Aug 2014 - Dec 2018

San Jose State University - San Jose, CA

### RELEVANT COURSEWORK

Object Oriented Design Server Web Programming Software Eng. Process Management Software Quality Engineering Data Structures and Algorithms
Computer & Human Interaction
Information Security
Computer Organization & Architecture

Database Management Systems Enterprise Software Operating Systems Computer Networks