

# Michael Li

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## EXPERIENCE

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### 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 HTML and DOM event listeners.
- 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.
- Utilized: 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.
- Utilized: MERN stack, JavaScript, HTML, CSS, P5.js, Git, Heroku

### Reservation System - Java Developer [Github](#) | [Docs](#)

Nov 2018 - Dec 2018

- Worked 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 JavaScript packages from design, test, and up to production deployment.
- Utilized: React Native, Firebase, Node.js, JavaScript, HTML, CSS, Git

## SKILLS

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**Programming Languages:** Java, C++, Python, PHP, JavaScript, 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, GanttProject, Justinmind, SolidWorks, Tableau, UML

## EDUCATION

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### Bachelor of Science, Software Engineering

Aug 2014 - Dec 2018

San Jose State University - San Jose, CA

## RELEVANT COURSEWORK

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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