

# Michael Li

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## PROJECTS

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### Explorify [Github](#) | [App](#)

- A music streaming web application inspired by Spotify.
- Created an audio player without the help of any packages or libraries and established user authentication using JWTs.
- Designed RESTful APIs enabling the exchange of data between the front-end client and back-end server.
- Built with MERN (MongoDb, Express, React, Node.js) stack, JavaScript, HTML, and CSS.

### csBasics [Github](#) | [App](#)

- 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.
- Built with MERN (MongoDb, Express, React, Node.js) stack, JavaScript, HTML, CSS, and P5.js.

### UniRooms [Github](#) | [Demo](#)

- A mobile application that helps university students find housing and roommates near their school campus.
- Designed the user interface/experience (UI/UX) by producing visual prototypes/mock-ups for each application screen.
- Implemented the front-end and utilized JavaScript packages from design, test, and up to production deployment.
- Built with React Native, Firebase, Node.js, JavaScript, HTML, and CSS.

### Movie Ticket Reservation System [Github](#) | [Docs](#)

- A console-based movie ticket reservation application by incorporating database queries.
- Established admin and user database commands/queries to create, read, update, and delete data.
- Refactored SQL queries into Java by writing Java methods for each query.
- Built with Java and SQL.

## SKILLS AND PROFICIENCIES

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- **Programming Languages:** Java, C++, Python, PHP, JavaScript, HTML, CSS
- **Libraries and Frameworks:** React, React Native, Node.js, Express, Ruby on Rails, Redux, P5.js, openFrameworks
- **Databases:** MongoDB, SQL, 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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### San Jose State University | San Jose, CA

Fall 2014 - Fall 2018

Bachelor of Science in Software Engineering

## RELEVANT COURSEWORK

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|------------------------------------|--|---------------------------------|
| • Object Oriented Design           | • Data Structures and Algorithms       | • Software Engineering I & II   |
| • Server Web Programming           | • Database Management Systems          | • Enterprise Software           |
| • Software Eng. Process Management | • Computer & Human Interaction         | • Operating Systems             |
| • Software Quality Engineering     | • Computer Organization & Architecture | • Assembly Language Programming |
| • Information Security             | • Computer Game Design                 | • Computer Networks             |

## EXPERIENCE

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### Hallmark Aviation Services | San Francisco, CA

March 2019 - March 2020

Airline Customer Service Agent

- Perform duties such as checking in passengers, verifying flight information and passenger documentation, assisting passengers, and resolving issues to ensure on-time departure.
- Developed teamwork, customer service, and communication skills via interaction with coworkers, crew, and passengers.