

# Michael Li

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<https://github.com/MichaelLi-96> | <https://michaelli-96.github.io/Portfolio/>

## 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             |

## SKILLS

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- **Programming Languages:** Java, C++, PHP, JavaScript, HTML, CSS
- **Libraries & Frameworks:** React, React Native, Node.js, Express, Ruby on Rails, P5.js, openFrameworks
- **Databases:** MongoDB, SQL, Firebase
- **Version Control & Hosting:** Git, Github, Heroku
- **Design & Visualization:** Adobe Photoshop, GanttProject, Justinmind, SolidWorks, Tableau, UML

## PROJECTS

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**Portfolio Website** [Github](#) | [App](#)

- A site to display my background information, projects, skills, and contact links.
- Built with HTML and CSS.

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

- An application that teaches you the fundamental topics of computer science and java based programming.
- Users are able to learn about object-oriented programming, data types, data structures, algorithms, big-o notation, and sorting.
- Has a built in sorting visualizer that implements 6 different kinds of sorts.
- Coded with responsiveness in mind. Looks great on any size viewport such as desktop or mobile.
- Built with MERN (MongoDb, Express, React, Node.js) stack, JavaScript, HTML, CSS, and P5.js.

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

- A cross platform mobile application that helps university students find housing and roommates near their school campus.
- This application was a university senior project achieved by a team of four people.
- I had the role of designing the user interface/experience and implementing the front-end.
- Built with React Native, Firebase, Node.js, JavaScript, HTML, and CSS.

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

- A console-based movie ticket reservation application that incorporate database queries.
- Users and admins can call upon these database queries to create, read, update, and delete data from tables of the database.
- This application was the final project of the Introduction to Database Management Systems course and was achieved by a team of three people.
- Built with Java and SQL.

**Stickman Survival** [Github](#) | [Demo](#)

- A 2d survival shooter style game from scratch based on the theme of the “space invader” style games of the past.
- Leveraged object-oriented and 2D graphics capabilities while applying the basics of game interaction using handmade sprites, rudimentary collision detection, and basic animation.
- Built with C++ and openFrameworks.

## EXPERIENCE

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**HALLMARK AVIATION, San Francisco, CA**

**March 2019 - Current**

*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.
- Demonstrate communication skills by interacting with passengers and crew.