

Michael Li

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EDUCATION

San Jose State University, San Jose, CA

Fall 2014 - Fall 2018

Bachelor of Science in Software Engineering

RELEVANT COURSEWORK

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

SKILLS

- **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, Heroku
- **Design & Visualization:** Adobe Photoshop, GanttProject, Justinmind, SolidWorks, Tableau, UML

PROJECTS

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

- Created 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.
- Designed RESTful backend server enabling algorithms to be stored in an online database.
- 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](#)

- Developed 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 to test and up to production deployment.
- Built with React Native, Firebase, Node.js, JavaScript, HTML, and CSS.

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

- Created 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.

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

- Developed a 2d survival shooter style game based on the theme of the "space invader" style games of the past.
- Leveraged object-oriented programming 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

Hallmark Aviation Services, 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 teamwork and communication skills by interacting with coworkers, passengers and crew.