Michael Li

(415)-713-6818 | michaelli.sw.eng@gmail.com | https://github.com/MichaelLi-96

Education

San Jose State University, San Jose, CA   **Fall 2014 - Fall 2018**
    B.S. Software Engineering

Coursework:

- Assembly Language Programming
- Server Web Programming
- Software Engineering Process Management
- Software Quality Engineering
- Operating Systems
- Database Management Systems
- Computer & Human Interaction

- Computer Organization & Architecture
- Computer Networks
- Enterprise Software
- Data Structures and Algorithms
- Object Oriented Design
- Information Security
- Computer Game Design

Projects

UniRooms

Designed the UI and implemented the front-end for a cross platform mobile application that helps university students find housing and roommates near their campus. A university senior project accomplished by a team of four people. This application was developed with React Native, Firebase, HTML, CSS, and JavaScript. Front-End Demo GitHub

Stickman Survival

Created a 2d survival shooter style game from scratch based on the theme of the "space invader" style games of the past. The game leveraged the object-oriented and graphics capabilities while applying the basics of game interaction, 2D game graphics using sprites, rudimentary collision detection and basic animation. This game was developed with openFrameworks and C++. Gameplay Demo GitHub

Antivirus App

Built a web-based antivirus application that allows users to upload a file to check if it contains malicious content. The application ensures a secure session mechanism and allows an admin to submit a Malware file that will be used to check user files. This application was developed using PHP and SQL. GitHub

Movie Ticket Reservation System

Constructed a console-based movie ticket reservation application and coded distinct functions that incorporate database queries. Users and admins can call upon these functions to create, read, update, and delete data. This application was developed using Java and SQL. GitHub

Cookbook of Gains

Developed a web application using MVC architecture that displays recipes to promote a healthy lifestyle in terms of eating. This application was developed with Ruby on Rails, HTML, CSS, and Heroku. Live Website GitHub

Technical Skills

Programming Technologies: Assembly Language, C++, CSS, HTML, Java, JavaScript, PHP, React, React Native, openFrameworks, Ruby on Rails, SQL

Design and Visualization Tools: Adobe Photoshop, GanttProject, Justinmind, SolidWorks, Tableau, UML

Version Control: Git, GitHub, Google Docs & Slides