

JOSEPH R VERDUGO

jrverdugo@uci.edu
jrverdugo.github.io

LANGUAGES AND TECHNOLOGIES

- **JAVA; JAVASCRIPT; SQL; PYTHON ; SQL; MONGODB ; HTML; CSS; C++;**
- **REACT, NODE, EXPRESS, JQUERY**
- **GIT;**

EDUCATION

SEPT 2016 – JUNE 2020

COMPUTER SCIENCE AT THE UNIVERSITY OF CALIFORNIA, IRVINE

GPA: 3.176

RELEVANT COURSES:

- | | |
|--|--------------------------------------|
| • DATA STRUCTURES IMPLEMENTATION & ANALYSIS | • DISCRETE MATHEMATICS |
| • DATABASE MANAGEMENT | • LINEAR ALGEBRA |
| • PROGRAMMING WITH SOFTWARE LIBRARIES | • BOOLEAN ALGEBRA & LOGIC |
| • COMPUTER NETWORKS | • CALCULUS |

PROJECTS

FABFLIX (JAVA, SQL, JAVASCRIPT, HTML, CSS)

- Full-stack, SPA eCommerce web system using SQL
- Developed from scratch using Grizzly and Jackson to handle requests sent
- RESTful backend was split into separate servers for each microservice and all connected through the API Gateway to communicate with other servers and then back to the user
- API Gateway utilizes multi-threading in order to process requests from several users
- Practiced real-world security principles such as salting and hashing to safely store info to MySQL
- Movie Information acquired through TMDB API

CALORIE TRACKER (JAVASCRIPT, HTML, CSS)

- Vanilla JS, SPA CRUD application
- Allows user to add, update and delete food items along with calories
- Calories are totaled for the user to see

BLOGGING APPLICATION (JAVASCRIPT, NODE.JS, EXPRESS.JS, MONGODB, HTML, CSS)

- Created a web application that allows individuals to create, edit, and delete posts.
- Practiced the concept of restful routing.

ROCK AND ROLL STOPS THE TRAFFIC (C++)

- Created a program to find the shortest or fastest path from one location to another using an approach similar to Dijkstra's Algorithm.
- Uses a Digraph in order to store the location and edge info (distance or speed).
- Implemented using C++.