JOHN CHAU

john.win.chau@gmail.com   portfolio   github   linkedin

SKILLS

> Ruby	> SQL/NoSQL	> JSON	> Heroku	> NodeJS
> JavaScript	> AJAX	> MongoDB	> Github	> ExpressJS
> HTML/CSS	> JQuery	> Linux	> AWS S3	> RESTful API

EDUCATION

Dec 2019 - Apr 2020
> App Academy / Web Development

Sep 2013 - Jun 2017
> University of California, Santa Cruz / BS, Computer Game Design

EXPERIENCE

Dec 2017 - Aug 2019
> Sanmina Corp / Programmer Analyst
- Collaborated with front-end engineers to design GUIs (Perl, C++) to construct manufacturing data
- Created output tools and scripts to move data from planning stages through manufacturing stages, increasing productivity of front-end engineers by 25%.
- Designed and implemented scripts to build test coupons for printed circuit boards
- Tested scripts and updated Oracle databases to accommodate new customer data/technology

Oct 2017 - Dec 2017
> Razor Edge Games / Programmer
- Used rule based resolver (JavaScript) to generate lines for dialogue and story implementation
- Designed AI for constraint solving enemy generation, action sequence, quest progression, behavior/choice selection.
- Tested using Microsoft Unit Testing Framework for C++
- Lead remote weekly meetings to present major updates or changes

PROJECTS

MI-IMDB | Rails, JavaScript, React, Redux, AWS, PostgreSQL | Feb 2020 - May 2020   Live | Github
> Clone of Internet Movie Database aka imdb.com
- Implemented single-page IMDb web app with asynchronous fetching of people, movies, reviews, and ratings on user request so site remains responsive while data loads in the background
- Incorporated Amazon Web Services Simple Cloud Storage, Ruby on Rails, and Postgresql as backend to store user account data, movie information, ratings, reviews, pictures, and video links
- Integrated Ajax calls with RESTful routes to facilitate CRUD (create, read, update, destroy) actions
- Leveraged Rails polymorphic associations with reviews and ratings on movies for DRY code

Watchu Want ? | MongoDB, ExpressJS, ReactJS, NodeJS | Feb 2020 - April 2020   Live | Github
> Web app that suggests restaurants based on user preferences
- Integrated Yelp API and Google Maps API to collect restaurant information to present to user
- Designed a simple user interface that allows users to navigate the site quickly; a total of four clicks on the site can return a potential restaurant based on the user's preferences
- Restricted Yelp API query by filtering results that were not food related and eliminated poorly rated restaurants to ensure a quick response and quality results

Dance Music Dance | p5.js, JavaScript | March 2020 - April 2020   Live | Github
> Web app that analyzes music and creates visuals
- Integrated the p5.js library to analyze different forms of sound and produce corresponding visuals
- Constructed a control panel for users to upload and interact with the music visualizer patterns
- Created and implemented unique visual patterns based on music data and math transforms