

JOHN CHAU

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[portfolio](#)

[github](#)

[linkedin](#)

SKILLS

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