

John Chau

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[Personal Site](#)

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SKILLS

React, Redux, Ruby, Rails, Javascript, HTML, CSS, SQL, AJAX, JQuery, JSON

PROJECTS

MI-IMDb: My Internet - Internet Movie Database (Rails, ReactJS)

[Live](#) | [Github](#)

Clone of the Internet Movie Database website aka imdb.com

- Designed and implemented single-page (non-refreshing) form of imdb using React/Redux
- Incorporated Amazon Web Services Simple Cloud Storage, Ruby on Rails, and Postgresql as backend database.
- Integrated Ajax calls to facilitate CRUD (create, read, update, destroy) actions on movies, reviews, ratings in the database.
- Leveraged Rails polymorphic associations with reviews and ratings on movies for DRY code

Watchu Want? (MongoDB, ReactJS)

[Live](#) | [Github](#)

Web app that integrates Yelp API to query and selects a restaurant based on user inputted preferences

- Designed and implemented single-page web application that uses MongoDB / Express backend and React / Redux frontend
- Integrated Yelp API and Google Maps API to collect restaurant information and pinpoint them in the real world.
- Designed a unique and efficient user interface that allows intuitive and effective use of the application.
- Restrict Yelp Api query to ensure quick response, smooth user experience, and quality results

Say Again? (C#)

[Download Page](#) | [Github](#)

Social Interaction Game

- Designed and implemented a custom game engine written in pure C#
- Integrated a comma separated style sheet to json parser for rapid iteration of authoring process
- Implemented multi-dimensional hash of NPC responses for quick lookup time and improved user experience
- Built a dialogue managers and state managers to simulate object-oriented programming paradigms

Dance Music Dance - Music Visualizer (p5.js, JavaScript)

[Live](#) | [Github](#)

Analyzes Music and generates shapes based on volume, waveform, or Fast Fourier transform.

- Integrated the p5.js library to analyze different forms of sound and produce corresponding visuals
- Built a system for users to upload and interact with controls allowing them to generate their own unique visuals
- Created and implemented custom math equations to interpret music at specific points in time

EXPERIENCE

Programmer Analyst

Sanmina Corp

Dec 2017 - Aug 2019

- Designed and implemented scripts to build test coupons for printed circuit boards.
- Tested scripts and updated databases to accommodate new customer data/technology.
- Designed GUIs (Perl, C++) for front-end to tool the printed circuit boards in computer aided manufacturing programs; increasing productivity of front-end engineering so that more jobs are released, built, and sent to customers.

Programmer

Razor Edge Games

Oct 2016 - Dec 2016

- Dialogue and story implementation: used rule based resolver (Javascript) to generate lines.
- The lines are stored in JSON format; the JSON is parsed using Python and turned into game objects.
- Design AI for constraint solving enemy generation, action sequence, quest progression, behavior/choice selection.
- Tested using Microsoft Unit Testing Framework for C++

EDUCATION

BS Game Design - University of California, Santa Cruz | 2013 - 2017

Web Development - App Academy | Spring 2020