

Andrew Chen

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SKILLS

JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, Python, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, AWS

PROJECTS

The Cord (React / Redux, Ruby / Rails, PostgreSQL, HTML / CSS, AWS S3)

[live](#) | [github](#)

Single-page web application inspired by the Discord web app allowing users to live-chat about various topics in communities

- Leveraged Rails' Action Cable and Redis to seamlessly manage web-socket connections to create an efficient live-chat system
- Managed text channel and server CRUD through a reusable modal component and implemented CSS pseudo-selectors and keyframes to achieve an intuitive, consistent, and interactive user experience
- Created user authentication feature that allows users to sign up, log in, and for data on the user to persist using BCrypt to securely hash passwords
- Connected Rails backend with AWS S3 through ActiveStorage for convenient addition of user media such as server and profile pictures

FitBook (React / Redux, Express.js, Node.js, MongoDB, Mongoose)

[live](#) | [github](#)

Web application collaboratively developed that allows users to track workouts and progress using the MERN stack

- Created RESTful backend API endpoints using Express to allow for streamlined and scalable data flow
- Leveraged Redux's state management to implement a search bar that filters results based on user input for increased functionality
- Collaborated in a team of four following git workflow to fix bugs and reviewed all pull requests to ensure newly integrated features function as intended

Conga Quest (JavaScript, Canvas, HTML, CSS)

[live](#) | [github](#)

A snake-inspired action RPG game developed using Vanilla JavaScript

- Leveraged Canvas API to create smooth animations and graphics through JavaScript, HTML, and CSS rendering
- Engineered code using Object Oriented Programming to make complexity of game entities more scalable and manageable
- Incorporated localStorage web API to store and update high scores across multiple game instances

EXPERIENCE

Volunteer Income Tax Assistant

VITA Jan 2019 - May 2019

- Completed and reviewed 100+ income tax returns for members of low-income communities resulting in over \$80,000 in refunds
- Created new material for workshop curriculum that increased pass rate of income tax proficiency exam by over 50%
- Led workshop that taught 5+ volunteers current tax laws and codes and trained them to use the online tax preparation software, TaxSlayer

EDUCATION

Web Development - App Academy

Apr 2020 - Jul 2020

Immersive software development course with a focus on full-stack web development, which entailed 1000+ hours of coding.

International Business (Accounting) - University of California San Diego

Expected Graduation: Dec 2021