

Jimmy Nguyen

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Summary

- Competent developer with experience working on the complete SDLC including creating, design, documentation, development and unit testing of applications.
- Motivated to produce performant and robust software; highly passionate about programming
- Strong Experience creating Redux-based single-page applications
- Strong proficiency in JavaScript, including DOM manipulation and the JavaScript object model

Skills

Languages/Frameworks: Javascript , Typescript , React.js , Redux , Ruby , Ruby on Rails , Express , HTML5 , CSS3

Technologies: Git , SQL , jQuery , PostgreSQL , MongoDB , Node.js , Canvas , AWS, JIRA

Projects

PathfindingVisualizer (React, HTML5, CSS3)

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

A visualizer of how search algorithms perform. This visualizer was created using React.

- Demonstrated a visualization of Dijkstra and A* search algorithms; implemented with min heap data structures to reduce time complexity and maximize performance
- Constructed a readable and maintainable program by following proper SOLID principles

RunEscape (MongoDB, Express, React, Redux, Node.js, Sockets.io)

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

A score-based, 2-d multiplayer endless runner game in which players compete against one another and accrue points by avoiding obstacles. RunEscape utilizes the MERN stack with canvas api and socket.io for multiplayer.

- Established custom physics engine and utilized keyframe animation to design dynamic hitboxes for precise collision detection
- Introduced dependent animation states that switches pertaining to corresponding keydown/keyup event listeners for user-controlled characters, resulting in more realistic in-game movements
- Optimized front-end architecture with OOP principles and flexible modular React components resulting in faster development workflow and DRYer code
- Worked collaboratively with a team of four utilizing git-branch workflow to allow for iterative development

JimmyJams (Ruby on Rails, PostgreSQL, React, Redux, Webpack, AWS, Heroku)

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

A full stack replica of the popular online music distribution platform, SoundCloud, in which users can listen and upload their favorite tracks. (single-page application)

- Implemented user authentication that utilizes BCrypt salts, resulting in strengthened security
- Employed AWS Active Storage for dynamic images and audio files in development of Song CRUD to curtail server load and support future scalability within application
- Constructed top-level music player that integrated Redux's global store with conditional logic and AWS S3 to fetch audio data in the form of JSON objects, ensuring for persistent music streaming during navigation
- Developed a search functionality that utilizes Javascript promises to asynchronously fetch and query data from Heroku Postgres database to Ruby backend

Experience

Capital Servicing Specialist -- Square Inc.

April 2018 - Jan 2019

- Directed responsible individual to handle all escalation cases and complaints from Capital support via JIRA
- Anatomized and requested appropriate documents for applications throughout the complete loan cycle
- Recovered over \$450,000 through Evasion cases and retained Top 1 Rank for three consecutive months

Education

University of California, Davis | Spring 2018 | Davis, CA | Bachelor of Arts in Economics

App Academy | Summer 2019 | San Francisco, CA | 1,000+ hours immersive coding bootcamp, acceptance rate < 4%