

Josiah Leon

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[GITHUB](#)

[LINKEDIN](#)

[Portfolio](#)

SKILLS

Python, Django, JavaScript, React, Redux, HTML, CSS, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, d3.js, SQL, SQLite3, PostgreSQL, Webpack, Git, Heroku

PROJECTS

Vapos (Rails, ReactJS, Redux)

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

A Steam clone, an online video game store

- Full-Stack web application where users can sign up, log in, search games, add games to cart, purchase games, wishlist games, search other users, and browse user's game library.
- Designed custom React carousel to display featured games, populated by AJAX call to PostgreSQL backend database
- Engineered secure RESTful authentication, providing 192-bit password encryption via BCrypt, and generating and caching session tokens with the use of non-deterministic, cryptographically strong hashing algorithm.
- Engineered backend API call that searches for users via query string, its algorithm finds partial matches and incomplete usernames, then returning matched users and rendering to search dropdown.

Wizrd (React, Redux, PeerJS, Socket.IO, Express, MongoDB, Node.js, Heroku)

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

Wizrd is a team project of a Twitch inspired video streaming platform

- Led team of four in daily stand-ups, discussing design decisions, work allocation, and GitHub workflow, successfully completing the project in 5 days.
- Built secure frontend user RESTFUL authentication via jwtTokens, login data is encrypted in authentication token and sent to the backend to be validated by passport.

Search Hype (Node.js, D3, google-trends-api, Axios, Express.js, Webpack)

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

Search Hype is a data visualization project utilizing d3 to generate the graph and an API called google-trends-api to fetch the data

- Designed search function utilizing Axios to make API call to google-trends-api where users input up to two search queries
- Formats fetched data to be displayed as graphs as well as display most and least popular search dates
- Created graphs using D3.js to compare and contrast searched terms over time

Chroma (Python, Selenium)

[github](#)

Chroma is a Python bot for beating a [browser game](#), the game entails traversing a tile-grid to combine colors to reach a target color/tile

- Traverses graph using a depth-first search to find all valid paths to the target tile.
- Finds best possible path for all found valid paths by accessing the site's CSS defined tile colors to find a path's final color that best matches target color

EXPERIENCE

Software Engineering Assistant

App Academy

Jan 2022 - Present

- Administer practice technical interviews (DS&A, system design, and technical trivia) to job seekers
- Engaged in one-on-one debugging sessions for student portfolio projects, specialized in React, Rails, Express, Flask

Missionary - Bolivia, Guyana and Alaska

Jun 2017- Jul 2019

- Participated in three missions, leading the cement team to build five childrens' summer camp cabins and two cinder block churches cinder block church to service and participate in local community

EDUCATION

Web Development - App Academy

May 2021

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