



Skills

Proficient: JavaScript, React, Redux, HTML/CSS, Ruby, Rails, SQL, postgresSQL, Adobe Creative Suite

Working Knowledge: Java, Python, TypeScript, Node.js, Webpack, npm, CSS modules, Processing, accessibility

Technical Projects

In Harmony: An accessibility forward color palette generator

A color palette tool that guides users in making accessible palettes. Uses the median cut algorithm to quantize colors of user-uploaded images. Accessibility is measured the WCAG guidelines for readability in addition to a custom method to detect blindness vulnerabilities. Built with React, Redux, Chroma.js, Lodash, Iro.js, Get-Pixels, Rails, B-Crypt & JWT.

inharmony.app || github.com/Rizz0S/in-harmony

The Fractal Zone: An interactive fractal machine

Pair project that draws fractal tree patterns to a canvas based on user parameters. Implemented core functionalities surrounding the fractal machine, which utilizes L-Systems to calculate & draw the patterns in conjunction with JavaScript's implementation of Processing. Built with React, p5.js, Rails, B-Crypt & JWT.

thefractal.zone || github.com/Rizz0S/the-fractal-zone

The Multi-Viz: An audio visualizer that can handle multiple file inputs concurrently

Audio visualizer that uses frequency information derived from audio file input and displays it onto a canvas. Uses a custom method to aggregate the frequency data from multiple inputs. Originally built as a feature of a vanilla JS project, which is detailed at bit.ly/2yp2mTW. Built with React. Also using the native HTML5 canvas & Web Audio API.

rizz0s.github.io/multi-viz || github.com/Rizz0S/multi-viz

Experience

Open Source Contributor: p5.js — 2020-present

- Contribute to diagnosis and discourse of raised issues, feature requests, and enhancements on GitHub

IT Project Management Intern: UTexas Extended Campus — 2017-2018

- Allocated & analyzed data from bug reports for weekly and quarterly meetings
- Utilized the UNIX Command Line to aid in large-scale data transfer
- Wrote guides detailing software documentation
- Customized web pages with HTML & CSS

Multimedia Intern: NPR - KUT/X 98.9FM — 2017

- Performed technical & clerical duties related to radio operations and productions
 - Produced & edited media content efficiently to adhere to a quick turnaround schedule
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Education

Flatiron School | Brooklyn, NY

Software Engineering Bootcamp

Dec. 2019 - Mar. 2020

Curriculum:

Collaborative web development with a Rails/React/postgreSQL stack

University of Texas | Austin, TX

Radio-Television-Film

Attended Aug. 2015 - May. 2019

Relevant courses:

CS303 - Elements of Computer Programming

CS312 - Introduction to Programming