GLEN PARK

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SKILLS

React, Rails, JavaScript, Ruby, Redux, Mongoose, MongoDB, Node.js, Express.js, TypeScript, Neo4j, HTML5, CSS3, NoSQL, SQL, PostgreSQL, jQuery, Git, Heroku

PROJECTS

AudioPuff (Ruby, Ruby on Rails, Node.js, JavaScript, Postgresql, Amazon S3) Live Site | Github

A fullstack music sharing and streaming app inspired by SoundCloud.

- Implemented a global Redux state to efficiently store and use multiple file types, while also allowing users to upload their own files using Amazon S3 file hosting
- Designed various audio streaming React components that work in conjunction to provide a seamless listening experience for users while reducing load on the backend by smartly structuring queries and only retrieving information when necessary
- Built a dynamic and interactive waveform visualizer from scratch using a combination of JavaScript DOM manipulation and HTML Canvas; the waveform is fully synced to song audio and can also be used to control the audio

DistanSing (JavaScript, React, Redux, Express, MongoDB, Mongoose, Socket.io, PeerJS) Live Site | Github

An app that connects artists who want to put on virtual concerts, and fans that want to see them.

- Implemented two different forms of real time communication between client and server; one using PeerJS for a persistent media stream connection that allows artists to stream video to fans, and another using Socket.io websocket implementation for creating a chat room for both users and artists to interact through during a concert
- Constructed and designed a dynamic search bar that shows detailed real time results in a dropdown by using a Regex query to the database for both event names and artist names, with the option to see all search results that will redirect to a results page with more comprehensive information about each result
- Incorporated two separate user authorizations for artists and users, both providing different experiences navigating the site, and connected through event pages, which artists create and users visit to get information about an event

Judge A Book By Its Number (JavaScript, D3.js, Axios, Google Books API) Live Site | Github

An interactive data visualization of book statistics for choosing your next page-turner.

- Employed queries to the Google Books APIs in order to retrieve specific book information and sample book data for books to be compared against using statistical analysis ranging from plots to summary statistics
- Designed dynamic and interactive transitions and animations using CSS and D3 including books that turn pages and interactive tooltips to provide the user a pleasant and seamless experience

EXPERIENCE

developerDB **San Jose, CA**

Full-Stack JavaScript Developer August 2020–December 2020

- Designed and implemented a Google Chrome extension from scratch, utilizing React and JavaScript along with data scraping in order to create a streamlined and fully interactive user interface
- Set up an optimized Express.js backend for running Python scripts to communicate data back to the Chrome extension, and advised the Python team on how to efficiently interact JavaScript and Python code

Berkeley Institute for Data Science **Berkeley, CA**

Lab Assistant August 2018–December 2018

- Provided assistance to Berkeley's burgeoning data science community by tutoring and overseeing a lab class for a foundational data science class of over a thousand students
- Spent upwards of six hours a week preparing and teaching essential data science skills to students of many different academic backgrounds, from technical science to humanities

EDUCATION

University of California, Berkeley **Berkeley, CA**

Bachelor of Science in Economics August 2018

App Academy **San Francisco, CA**

Full-Stack Software Engineering 2020