JARED GREENBERG

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SKILLS

JavaScript, React, Redux, Ruby, Ruby on Rails, Python, C, Java, HTML, CSS, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, AWS, Google Maps API, Web Audio API, Drag and Drop API

EDUCATION

Web Development - App Academy   Fall 2020
Immersive software development course with a focus on full-stack web development and with 1000+ hours of coding.
Python Masterclass - Udemy   Spring 2020
40+ hours covering essential Python skills including comprehensions, object-oriented programing, and working with TkInter
Bachelor's Degree - CS - Brandeis University   Spring 2012
Well-rounded programming foundations with courses on C, Java, Databases (SQL), Discrete Mathematics, Algorithmic Analysis, UX

PROJECTS

Airbnsqueeze   (Rails, React/Redux, HTML, SASS, AWS, GoogleMaps, jBuilder, jQuery)   live | github
An Airbnb-inspired website for browsing, booking, and reviewing stays in Tiny Houses.
- Optimized server space by using Rails Active Storage and AWS hosting services to hold image content, reducing backend response time and improving the application loading performance.
- Tailored Active Record queries to achieve more complex database filtering and custom validations (i.e. avoiding date-range conflicts for reservations) to respectively increase search functionality and preserve data integrity.
- Incorporated the GoogleMaps API with informative custom tags and the ability to filter search results by map boundaries, allowing for an additional, more interactive way to help the user explore the available listings.

Rapid Rhapsodies   (HTML, SASS, Canvas, JavaScript, Web Audio API)   live | github
A lightweight hand-eye coordination game with a piano theme.
- Composed game sound effects on GarageBand and then enhanced their audio performance by buffering them on JavaScript's Web Audio API, keeping up with swift user interactions and avoiding latency.
- Employed a debouncing algorithm to efficiently handle simultaneous "key down" events to allow a greater combination of keys per action, which served as the basis to create more variety and a level-of-difficulty feature.
- Honed the use of binary operations to more efficiently parse and compare user action and the expected action, boosting program performance and simplifying the logic for rendering errors on HTML Canvas.

MenuTube   (MongoDB, Mongoose, Express.js, ReactJS)   live | github
An interactive media site for sharing and saving your favorite cooking recipe videos.
- Developed a multipurpose React Component using the Drag and Drop API that can transform any content to be dragged into and stored in a calendar interface that we created for meal planning.
- Established a front end connection to AWS via AWS-SDK to organize video uploading for recipe creation, retrieving a certified url for easy backend storage.
- Collaborated with my backend counterpart on some Mongoose manipulation of the database to normalize data responses to keep Redux storage organized for easy retrieval of necessary information.

EXPERIENCE

Lead Soloist
AIDA Cruises   May 2016 - Mar 2020
- Collaborated with an international cast, performing a rotating repertoire of 8+ shows per cruise in several languages, achieving guest satisfaction ratings that surpassed goals and advanced our ship to the best ranked in the fleet
- Engineered and sampled performance tracks after hours for myself and my colleagues using GarageBand and Audacity to enhance the quality of our bonus, self-produced programs

Engagement Specialist
CROSSMARK   May 2013 - Dec 2015
- Coordinated with retail store managers to schedule product sampling events that more than doubled daily sales for our clients
- Proactively interacted with hundreds of customers daily, demonstrating my knowledge of the product's benefit and safety information for effective brand education