Aaron Goddard

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Driven adventurer, Javascript wizard, front-end developer

Skills

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Redux, SQL, Git, HTML5, CSS3, AWS, MongoDB
Leadership, Collaboration, Initiative

Projects

Hedronite Attack(Vanilla JavaScript, Canvas)   Live Site | Github

A fast-paced, action-packed game written in JavaScript using canvas and vanilla DOM manipulation
- Dynamically instantiated moving objects at random locations on the canvas in between calls to requestAnimationFrame.
- Selected appropriate sprites and graphics for each object and set logic for changing images based on object state.
- Devised meticulous collision detection logic using simple geometry to simulate a hit box and execute more logic: when any two hit boxes overlap, a collision is detected and checked for validation, directionality, and the type of object struck.
- Implemented a pause function by making the generation and locomotion of objects entirely contingent on the falseness of the game's "paused" property.
- Created audio objects via HTML5 Audio tags and called them on collision events, resulting in well-timed sound effects.
- Performed all of the voice acting and wrote the story for added user enjoyment.

Fliquor(Rails, React, Redux, CSS)   Live Site | Github

Full-stack clone of Flickr built with Rails on the back end and React on the front end
- Implemented fully functional user authorization with using fully-styled React forms, creating a streamlined login experience. Constructed protected routes using React Router Dom to prevent unauthorized users from posting.
- Established a many-to-many relationship between albums, photos, and tags by implementing a PostgreSQL database in Rails.
- Used React Router DOM to create swift and seamless navigation between react components.
- Built numerous functional React components and styled them with CSS3 for an exciting and colorful user experience.

Wayfarer (MongoDB, Express, React, Node, CSS)   Live Site | Github

Full-stack app for adventuring across the great highways of America built with Mongo, Express, React, and Node.

- Constructed a vehicle database on the backend using JavaScript and MongoDB, allowing users to create and store information for multiple vehicles.
- Wrote two separate controllers: one to check for a session token passed down via an Axios call from the front end, the other which skipped that check to allow an unregistered user to access appropriate features.
- Prevented redundant queries by nesting the entire vehicle object inside of the user Object; this way, the frontend has only to grab a user in order to find all of their vehicles.
- Refined the styling of the app using CSS3. Utilized the flexbox property to create a responsive design, and selected an orange theme to instill a sense of adventure..

Experience

Driver
Uber   August 2016 - August 2018
- Provided superior customer service to no fewer than 5000 passengers over a period of 24 months
- Kept meticulous records of expenses and other finances related to running a business

Sheet Metal Worker
Sheet Metal Workers Local 104   July 2014 - August 2016
- Assembled and installed no fewer than 4 complex HVAC systems to customer specifications .
- Ensured compliance with industry standards.

Education

App Academy   (Fall 2018)
Immersive software development course with focus on full stack web development (Ruby, Rails. React, JavaScript, NodeJS, MongoDB, CSS, HTML5)

De Anza College, Cupertino
General Education, 120 credits received