Aaron Shapiro

(415) 572 - 4283   aaronshapiro94@gmail.com   Portfolio   LinkedIn   Github   San Francisco / Bay Area

Skills   JavaScript, React.js, Redux.js, Ruby, Ruby on Rails, HTML5, CSS3, Git, PostgreSQL, jQuery, MongoDB, Express, Socket.io

Projects

TwixterTube *Ruby on Rails, Postgresql, Javascript, React / Redux, HTML5, CSS, AWS, Jbuilder, Ajax, Webpack*   Live Site | Github
A YouTube inspired video sharing application

- Integrated AWS S3 with Rails ActiveStorage to streamline video and image uploads, reducing server load and allowing data fetching from video and image services
- Utilized React Hooks on frontend to create dynamic functional components as opposed to class based components
- Created buttons to allow users to like and dislike videos which would then dispatch actions to Redux store and make HTTP post requests to backend to update Postgres Database

TriviaLand *MongoDB, Express, React / Redux, Node.js and Socket.io, HTML, CSS, Axios, Node.js*   Live Site | Github
Competition-based Trivia app with each round having a different objective

- Utilized BCrypt to hash plaintext passwords with additional safeguard of prepending plaintext with salt to prevent against rainbow attacks
- Implemented Socket.io for real time bi-directional communication between clients interacting with app
- Applied Axios REST API calls to send / receive promise JSON objects to interface with Mongo database and allow frontend backend communication
- Constructed highly interactive UI with CSS linked with React Components that update Redux store onchange

SolarPoint *Three.js, Javascript, HTML, CSS*   Live Site | Github
3D educational app representing Solar System

- Implemented Three Js to build 3D rendition of planets within Solar System on an HTML canvas
- Positioned Event Handlers on each planet to render superimposed meshes upon hover and to display an informational modal describing fun facts onclick

Experience

AGG KING LLC   Jan 2018 - Mar 2019
President of Retail Apparel Company
- Optimized capital for resource allocation like manufacturing, printing and shipping
- Employed encryption methods to sensitive files and work machines, such as PGP and Veracrypt, in order to go paperless
- Learned about fungibility issues with certain crypto currencies and opted to coins that did not have conflicts with this
- Used VPN on public network in work office to deter hackers from gaining access to sensitive information

College of Marin
Academic Tutor   Aug 2015 - May 2017
- Tutored 60+ students in Calculus / Algebra, General and Organic Chemistry, Biology, and Philosophy, improving average grade by one letter

Education

App Academy   Jun 2019 - Oct 2019
Immersive software development course with focus on full stack web development

College of Marin
Coursework in pursuit of B.S. in Chemical Engineering   Dec 2016 - May 2018
MATLAB Coding for Engineers