Colton Wilmouth - Software Engineer

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SKILLS JavaScript, React, Redux, HTML5, CSS3, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, Amazon Web Services (AWS) S3

PROJECTS

Whilom Halls (Rails, React, Redux, HTML, AWS and CSS)   **Live Site |Github**
A fullstack single-page Airbnb clone where users can view listings and book stays.
- Integrated Google Maps API with AJAX calls in Json, allowing users to see locations in proximity to places they plan to visit.
- Maximized available storage with AWS s3 integration into Rails Active Record to instantiate and reference off-site storage boosting application response/load time and performance.
- Applied modern encryption on the front and back end to authorize users and securely track their data, such as profile information and saved bookings.

Less Travelled (MongoDB, Express, React, Node.js, HTML, and CSS)   **Live Site | Github**
A JavaScript-based single-page application for travel enthusiasts to find and add unique locations in one convenient location.
- Orchestrated assignments and delegated responsibility as team lead, sponsored a collaborative dynamic, where ideas and challenges were discussed freely to promote team building using an Agile workflow.
- Configured MongoDB cluster for data storage to enhance database communication speed and feedback, maintaining an organized and accessible state to promote future scalability.
- Managed git workflow, conducting code review and pull request approval on GitHub and overseeing production code builds and deployment to Heroku environment.

Zarbleflip (Javascript, HTML, CSS, WebGL, and Three.js)   **Live Site | Github**
A front-end immersive 3-D game where the user scores points flying a plane through obstacles.
- Incorporated the Three.js library into game logic for programmatic approach to 3D modeling and rendering, resulting in an immersive user experience (UX) and providing a richer user interface (UI).
- Programmed built-in perspective camera, stage lighting, and surface texture classes on top of custom 3D model and atmosphere classes to mirror cinematic processes

EXPERIENCE

Software Engineer, *Freelance*   July 2020 - Present
- Collaborating with business owner to develop custom mobile/web application for real-time orders, payment, and status updates.
- Building out basic application architecture, experimenting with Rails and Node/Express backend to be used with React/Redux frontend tied into the Shopify and Shopkeep platforms for order management.

Barista / Barista Trainer, *Starbucks* Ocean City, MD   Feb.2019 - Feb.2020
- Chaired barista training to refocus efforts and create an effective and engaging welcome.
- Analyzed prior workflow to address performance bottlenecks and forge efficient workspaces.
- Attained a 48 % customer satisfaction rating through targeted patron interaction, the store's highest in over 6 years, and above an industry average of 30%.

Business Development Coordinator , *West O Auto* Ocean City, MD   Feb.2018 - Apr.2019
- Formalized an online presence by employing popular social media platforms and Search Engine Optimization for a 30% increase in online traffic.
- Crafted local relationships with the Chamber of Commerce and economic development to install a sign and increase gross profit by 70 % in a six quarter-time span.
- Maintained product and sales data using Quickbooks

Volunteer, *various*   Jan. 2012 - Dec. 2019
- BAVFC- FireFighter within the community of Bel Air, MD. Aided in combined efforts to assist with local emergencies.
- Lasos - Tutored under-privileged children to fill-in learning gaps.
- Delaware Food Bank - Packed food into care packages for families in need.

EDUCATION

App Academy   New York, NY   2020
- 100 hr/wk, 16-week coding intensive, featuring Web Development Curriculum on full-stack development in Ruby and JavaScript, Object-Oriented Programming (OOP), Testing & Debugging, and Data Structures & Algorithms.

Harford Community College   Churchville, MD   2012-2015
- Earned an Associate's degree in business with a focus in Entrepreneurship, implemented while working with several start-ups, including organizing an ice-cream parlor from idea - build plans.