

# Brian Driscoll

520-249-4853 | [bdriscoll407@gmail.com](mailto:bdriscoll407@gmail.com) | <https://www.linkedin.com/in/brianrdriscoll/> |  
Portfolio: <http://briandriscolldev.com/>

## TECHNICAL SKILLS

---

**Languages:** JavaScript, TypeScript, HTML, CSS (Flexbox, Grid, Animations), Python  
**Frameworks:** Main: React, Redux, Next, SASS — Secondary: NodeJS (light usage)  
**Developer Tools:** Git, Github, Visual Studio Code, MySQL Workbench, Adobe Photoshop  
**Database:** MongoDB, AWS RDS (in progress)

## CERTIFICATIONS

---

**JavaScript Algorithms and Data Structures (FreeCodeCamp) - 300 hours**([Certification Link](#))  
**Responsive Web Design (FreeCodeCamp) - 300 hours**([Certification Link](#))

## PERSONAL PROJECTS

---

### Martial Arts Gym Webkit (IN PROGRESS)

Jul. 2022 - Current

*Technologies: React (hooks), AWS RDS, MySQL, Redux, SASS, TypeScript, Git/Github, Axios*

- Needed a webkit that can be used by two types of gyms: (1) gyms that ONLY need a frontend and (2) gyms that need both a frontend and a backend to manage user memberships. Planned the basics of the backend, connected it to the AWS MySQL database, and created clickable text in the navigation that uses reusable SASS styling. Now, if a gym only wants a frontend, the login link and routed backend pages can be commented out without the need for additional coding or styling work.
- Created an interactive banner with fade-in and fade-out effects that cross fades when a setTimeout timer is complete using an useEffect hook. Uses a mix of inline and CSS stylings.
- Websites made in the past were always made mobile responsive after the fact. In this case, each component from the banner, navigation, and others have been made much more responsive by setting common breakpoints for the application and focusing on mobile responsiveness for each component before moving on to new components. This has made a much more clean design.

### Boxing Ecommerce Website

May 2022 – June 2022

*Technologies: React-Router, React (Hooks), Redux, SASS, React libraries, Git/Github*

- Needed a way to efficiently create product lists without coding multiple single pages for every item type. Planned out a system to pull data from a mock database, upload the data to Redux state, and then use state to populate product lists. Can now create product lists for any category by uploading data to the mock database and adding the page via React-Router.
- Created the same reusable component system for single product pages that uses the mock database and Redux state. The page will populate with images and product information based on template literals that change the URL and props.
- Coded login verification system using Redux state allowing "login" and "create account" functionality with form validation to indicate login success or inaccurate login information.
- Developed cart functionality that allows users to add, edit, and delete cart items that are tied to user accounts.
- Implemented product filtering system based on category, price, and brand. The data for products is cleaned using trim and title casing to allow for entries to be made without the need for exact matching just in case entries are made without exact precision.

### Insurance Policy Manager

Apr. 2022

*Technologies: React (hooks), Redux, SASS, JavaScript, Git/Github*

- Needed a way to target single insurance entries to add, edit, and delete policies. Created a mock database and enabled UUID (unique ID creation) so policies can have unique identification. Now each policy is editable.
- Explored application UI styles and created a responsive layout on desktop, tablet, and mobile devices. Used Flexbox's simple column and row system to do most of the work on media query break points.
- Implemented system to track history of actions (create, add, delete) and track total budget.

### Event Finder

March. 2022

*Technologies: React (classes), CSS, Axios, API*

- Created search functionality to find events using the Ticketmaster API using state (Arizona, Washington, etc) and event type as parameters.
- Wrote code for different API queries for event searches and individual event searches with Axios

## EXPERIENCE

---

### **Creative Lead - Safaria World**

Aug. 2021 - Current

*Technologies: Bootstrap, FTP, CSS, Adobe, Phaser Framework, MongoDB*

- Needed an interactive experience to award customers for their purchases and to push additional sales. Staying true to creating a browser-based experience, learned a JavaScript gaming framework called Phaser, found another developer who wanted to do backend work for their portfolio, and planned out a minigame called Horeth Fly, a flyer-shooter game where people compete for a hi-score.
- Created all the frontend gaming logic for shooting projectiles, spawning enemies, and completing the game loop.
- Created all of the design documentation using photoshop and google documents so artists could create assets for characters, enemies, and UI; also created design documentation for the web designers.
- The game was first created with a hard coded single level which made creating new levels much harder. Designed a system that spawns enemies, enemy types, and dangerous items (like fireballs and spikes) based on input from an object so different difficulties and levels could be created by editing a single object. Only the art for the background would need to be updated manually.
- Developed a hi-score system connected to MongoDB by writing fetch requests to the Node backend created by another developer and connected the backend to the database.
- Engaged with the community to find bugs. Due to community demand, a quality of life function was added to mute all volume and a bug fix for the "submit score" button was fixed that was caused by improper management of the z-index.
- Created the first iteration of the website using HTML and CSS. Then worked with a designer to make the design more modern and hired a developer (because I was strapped for time) to update the website to the new design.
- During the product sale, the hamburger navigation button was broken on mobile (which is a large portion of the audience). At this time our freelance developer was unreachable, so I edited the bootstrap code to fix the issue so mobile users could navigate the website.

### **Web Media Analyst - City of Sierra Vista**

Aug. 2019 - July. 2021

*Technologies: CSS, Adobe Photoshop, Adobe Premier Pro/After Effects, Python, JavaScript, SEO*

- The website needed a navigation update to make it less static and more responsive. Within the constraints of our content management system, I created menu assets for different categories using the provided indesign documents. CSS animation and JavaScript using jQuery (because the CMS required it) were used to make an interactive hover animation.
- The city needed educational videos for recycling to be created. First the video was planned with the marketing team. I then created a shot list and a script to be approved before creating the video. After shooting, editing, and releasing the video, city council congratulated us on our great work including mentioning me by name.
- Our yearly spotlight event (updates on all the work the city is doing) was canceled in-person because of public health. Instead, we created an hour-long video to replace this event so the community could find out what the city was accomplishing. I identified 10 department directors/managers that needed interviewing, scheduled interviews, and worked with our public information officer to create scripts and topics for each director. Each director was interviewed and then based on this information, made a b-roll shot list to cover most of the video. We also created several "fun" bits to make the video more engaging. It took 1 month to complete the video and quite a bit of overtime, but city council, the city manager, and much of the city reacted very positively to the content we produced.
- To save time, planned and developed automation tool using python to update social media tourism accounts which saved 4 hours of work every week
- Took leadership roles in creating a podcast, new website navigation, video creation, and more that increased social growth by 37 percent

## EDUCATION

---

### **University of Maryland University College**

*1 Year General Education and Programming Courses*

*Aug. 2014 – Jun 2015*