Dorn Holland

(303)-720-3868   dornkholland@gmail.com   [Portfolio](#)   [LinkedIn](#)   [Github](#)   Denver, Colorado

Skills   **JavaScript, React.js, Redux.js, Python, Flask, HTML5, CSS3, Git, PostgreSQL, Docker**

Projects

Holland Running (JavaScript, React / Redux, Python / Flask, HTML5, CSS3, PostGreSQL)   Live Site | Github
A wordpress-style website created for distributing running video content and live running classes
- Engineered full CRUD functionality (create, read, update, delete) for images stored on **AWS S3 cloud storage** with **Boto3**, reducing server load and allowing the app to scale gracefully.
- Developed a scheduler that stores appointment times in a **Python3 / Flask / PostGreSQl** backend while serving converted times in a **RESTful API** based on timezone of the user, allowing for international scheduling without timezone conflicts.
- Implemented custom backend **Python- Flask** validators to easily access information about the user and securely restrict unauthorized API requests based on user privileges and authentication.
- Deployed full-stack web application on **Heroku** in a **Docker** container allowing for deployment to be handled in an isolated environment that can be easily shared and run on any machine.

as a user, i… (JavaScript, React / Redux, Express.js, HTML5, CSS3, PostGreSQL)   Live Site | Github
Kanban-style organizational app for user-centric software development
- Utilized **React** Beautiful DND package with **Redux** to implement dynamic drag-and-drop functionality, allowing users to easily manage React components with asynchronous Redux store updates
- Handled routing with **RESTful API** backend **Express.js** routes and a **PostGreSQL relational database** to permit full CRUD functionality for users, projects, stories and comments, improving load times due to minimal, individual database queries.
- Developed an efficient method of completing complex drag and drop operations while persisting order with Redux and PostGreSQL, allowing users to prioritize user stories by easily reordering them in a user-friendly way.
- Enhanced collaboratability with a unique identifier stored in PostGreSQL, allowing for contribution with restricted privileges on other users' projects, controlled with **Redux state management**.

Comic Collections (JavaScript, D3.js, HTML5, CSS)   Live Site | Github
GoodReads clone for comic books
- Established dynamic, asynchronous CRUD functionality on comments using **AJAX** and PUG templating without utilizing any front end library as React for live **HTML** changes of posting, editing and deleting comments
- Styled responsive, mobile-friendly pages using **CSS3 flexbox** and **grid** along with a PostGreSQL database to have variable background images on pages dependent on the genre of the page selected.
- Used a **Bcrypt hashing algorithm** to avoid storing plaintext passwords in a PostGreSQL database so passwords are not recoverable in the case of a compromised database.

Experience

Staff Accountant - Stratus Building Solutions   Nov 2018 - May 2019
- Utilized excel macros to analyze and format monthly reports, reducing the time commitment for the monthly task from an hour to minutes, consequently **increasing department efficiency**.
- Collaborated with two web developers of the web-based company system by testing and reporting on the communication between the cloud application and the accounting software QuickBooks.
- Communicated with 100's of large franchise clients and **mitigated conflicts** between transactional records, ultimately reducing total monthly, unpaid revenue (total accounts receivable) by 5% in 3 months as part of the collections team.

Teaching Assistant - Numerical Analysis - University of Colorado Boulder   Nov 2018 - May 2019
- Held weekly office hours and tutored students in Interpolation, Approximation, and other topics of mathematical algorithmic analysis.

Education

App Academy - Immersive software development course with focus on full stack web development.   Dec 2020 - April 2021

University of Colorado Boulder - *B.S. in engineering, Applied Mathematics*   Aug 2016 - May 2020
Relevant Coursework - Numerical Analysis, Data Science, Bayesian/Frequentist Statistical Analysis, Probability Theory