

Birna Dam

Software Engineer

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Portfolio: birnapwnsu.github.io/portfolio

Summary

Adaptable, bold, and creative Full Stack Software Engineer whose passion for technology paved the way to earning a coding certification at UC Berkeley. Experience in communication driving results and collaboration in diverse environments. Passion for using code to develop innovative solutions and bring concepts to life. This connector, leader, and motivator keen on emotional intelligence, capable of bridging gaps in communication, and effectively networking is now striving to embark on a journey of growth in knowledge and successes in the sector of computer programming.

Projects

True Hermit Essentials | E-Commerce Website [Live](#) | [Github](#)
Javascript, MERN stack, Braintree, DigitalOcean

- Established authentication using Express-JWT (JSON Web Token) to authenticate users for access to either admin or regular user controls
- Distinguished controllers and models for users, products, categories, and more to develop functionality with data stored in MongoDB
- Impacted site's responsiveness by using CSS, Bootstrap & React to create meaningful components that would be scalable across all pages
- Introduced a working payment process using Braintree to accept payments

VIDI | Chat Platform [Github](#)
Javascript, MERN stack, APIs, Redux

- Developed a chat with user authentication and real-time bi-directional communication
- Integrated Passport for user authentication with username and password
- Used Socket.io to allow real time communication using TCP sockets to create an active connection open between the client and the server so client can send and receive data
- Implemented Mongoose for all CRUD functions for users, channels, messages & films
- Designed an explorer where users discover films via data from OMDb API

GunDam. | Map Data Visualization [Github](#)
Javascript, HTML5, CSS3, D3.js

- Served static files through Express and ensured all files were properly routed
- Integrated a high volume of data for gun violence from Kaggle.com using MongoDB
- Monitored team progress via active communication, created a task list for each person in order to meet deadlines, and held everyone accountable for writing effective code
- Overall the app encapsulates how prevalent gun violence is in the United States with data visualization via map layering; user can see where incidents have occurred

Wanderlust | Travel Companion [Live](#) | [Github](#)
Javascript, HTML5, CSS3, APIs

- Computed an optimal travel destination based on user inputs with regards to how much they want to spend, how safe they want to be, and how social they want to be
- Leveraged Ticketmaster API and Yelp API using AJAX calls to create travel recommendations for the user (food, things to do, events, etc.)
- Presented interactive map through the use of Google Maps API and its Places library
- Scraped Tripadvisor website for a general synopsis on our generated location and populated the main page with the results

Abilities

Programming Languages: Javascript, CSS3, HTML5, Python & SQL

Javascript Based: jQuery, Node, React, Express, Redux, AJAX & D3.js

Version Control: Github

Database Systems: MongoDB & MySQL

Cloud Platforms: Heroku, DigitalOcean & AWS

Miscellaneous: RESTful APIs & Bootstrap

Education

**CERTIFICATION IN
FULL STACK WEB DEVELOPMENT**
SUMMER 2019

University of California, Berkeley

**BACHELOR OF ARTS IN
COMMUNICATION**
SPRING 2017

California State University, Fullerton

Experience

APPLE | July 2017 – June 2018
Sales Specialist *Costa Mesa, CA*

- Effectively kept up to date on new tech and enhanced number of repeat customers
- Ranked highly in Net Promoter Score (NPS) due to providing unforgettable experiences

References

Will gladly furnish personal and professional references on request.