

Brandon M. Lewis - Full Stack Engineer - Sacramento, CA

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EDUCATION

Coding Dojo | Software Development Bootcamp | September 2022 - December 2022 | *Online Program*

Kaiser Permanente Bernard J. Tyson School of Medicine | July 2021 - July 2022 | *Pasadena, California*

- Full Scholarship; 90th Percentile score on Medical College Admissions Test (MCAT): 514

University of Washington | Class of 2019 | Bachelor of Arts: Mathematics | *Seattle, Washington*

- Lettered, Full Scholarship Student Athlete; 2015 Pacific-12 All-Academic First Team; Shaped a championship-level culture (2016 Pacific-12 Conference Champions & 2016 College Football Playoff Finalists) - 2014 - 2017

TECHNICAL SKILLS

Languages: HTML5 | CSS | Javascript (ES6, Node.js) | Python | C# | SQL | TypeScript **Libraries & Frameworks:** Node/Express | Flask | Jinja2 | React | React Native | AJAX | Bootstrap | Tailwind | Axios | ASP.NET Core | Material UI | Mongoose **Databases:** MongoDB | MySQL **Technologies & Dev Tools:** Git | Git Bash | Github | AWS | MySQL Workbench | JSON | Postman | MongoDB Compass | Rest API

PROJECTS

Tesla Clone - Mobile - Desktop - Front-End Developer - React, Node.js, Tailwind - [Repo](#)

- E-commerce site with product details, add-to-cart functionality and more
- Application powered by React to create a dynamic UX and leveraged the **React** library and **Tailwind** to replicate the unique Tesla.com UI and features.
- Browser session storage used to store user data without login and registration

Palette Genie - Full Stack Developer - React, C#, OpenAI API, Tailwind, Material UI, Axios, MySQL, Chroma.js - [Repo](#)

A palette generator tool that enables users to create custom palettes, save other users' palettes, or generate palettes using AI

- Frontend was built using **React** to optimize component rendering and unidirectional dataflow
- Backend was built with **C#** due to its statically typed nature, limiting errors thus making the application easier to maintain
- Accelerated development by utilizing multiple prebuilt **Material UI** components
- Employed the **OpenAI** API to respond appropriately to user inputs regarding the desired number of colors and palette style
- Leveraged the functionality of Chroma.js to easily access, manipulate and use color characteristics.

Play Action Picks - Full Stack Developer - MongoDB, Express, React, Node.js, Tailwind, Axios, AWS - [Repo](#)

A gamified NFL pick'em platform where friends can compete to see who's the best at selecting which teams will win each week.

- Used **Axios** to make **HTTP** request to SportsRadarAPI to retrieve live NFL data and to handle client to server communication
- Prioritized security by implementing **bcrypt** to encrypt sensitive user information and by leveraging the power of **JSON** Web tokens to securely transmit information between the client and server
- Powered my application with the **React** library to create a dynamic user experience and limit page redirects and refreshes
- Developed backend validations to verify information being submitted
- Architected a responsive design with **Tailwind** for a consistent user experience

Trade Champs - Full Stack Developer - Python, Flask, MySQL, Jinja2, Javascript, Tailwind, AWS - [Repo](#)

Trade Champs is an application designed for fantasy football players to help with their fantasy roster decisions

- Integrated [Sleeper App API](#) data via **Python** requests to get users, players, rosters and leagues
- Seeded the database with relevant player information for over 15000 NFL players into **MySQL** via Sleeper API
- Leveraged **Flask** framework for routing and quick implementation of different features using **Jinja2** syntax.
- Employed **Javascript** to create a more dynamic UX

EXPERIENCE

Kaiser Permanente Bernard J. Tyson School of Medicine, Pasadena, California

Medical Student

July 2021 – July 2022

Clinical Experience:

- Assessed patients' chief complaints, medical history, and social history in order to identify and create a list of possible diagnoses. This experience strengthened the skills of empathy, intentional listening, leadership, teamwork, and communication

Curricular Experience

- Top half of my class at one of the most difficult schools to attend in the country; 70-100 hours per week commitment
- Co-led a high school mentorship program with UMMA Community Clinic for eight student health leaders from an under-served community to be a resources in their higher education pursuits.

Sutter Amador Hospital, Jackson, California

Emergency Department Scribe

October 2019 – January 2021

- Delivered of high-quality medical documentation in tight timeframes for ED physicians in order to improve the patient experience and time efficiency of the emergency department