

Brandon Minjares

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WORK EXPERIENCE

Webbege | *WordPress Developer*

July 2018 – Feb 2020

- Developed and maintained 4 web applications using WordPress, JavaScript, HTML, CSS.
- Collaborated with customers to achieve key marketing objectives.
- Incorporated digital marketing tools Google Analytics and HubSpot.

PROJECTS

Filmbot | *ReactJS, JavaScript, Python, PostgreSQL*

- Developed **full-stack web application** that applies **User-Based Collaborative Filtering** to provide personalized movie recommendations based on the film ratings of similar users.
- Utilized **The Movie Database API** to enable users to browse and access detailed information about films.
- Designed a highly portable and scalable database management system using **Dockerized PostgreSQL**, ensuring easy deployment and maintenance of the system.
- Developed an intuitive and well-documented **RESTful API** using **Swagger.io**.

Bam! (Senior Design Project) | *ReactJS, JavaScript, MongoDB*

- Built **mobile-web application** that allows users to seamlessly exchange files by bumping phones together.
- Leveraged **WebTorrent API** to facilitate file sharing between users, enabling fast and efficient transfer.
- Implemented location-based validation system using **Geolocation API**, enabling users to authenticate their physical location and ensure they are in the same geographic area before engaging in a shared experience.
- Led a team of 4 in the development of the project, utilizing **Agile methodology** principles learned from our software engineering course to streamline project management and optimize team collaboration.

Mailhub | *ReactJS, JavaScript, Postgres, Material UI*

- Developed fully-functional **web-based email client** allowing users to efficiently send, reply to, and delete emails using a sleek and user-friendly interface built using **Material UI**.
- Implemented search functionality using **regular expressions** to quickly find and highlight keywords in email content, enhancing user productivity and reducing search time.
- Built end-to-end testing suite using **Jest** framework, ensuring a reliable and error-free performance.
- Developed an intuitive and well-documented **RESTful API** using **Swagger.io**.

GPT3Movies | *ReactJS, JavaScript, MongoDB*

- Created movie trivia application using **ChatGPT API** to generate challenging and engaging questions.
- Utilized **Socket.IO library** to create interactive rooms for users to compete against each other in real time.
- Created dynamic and visually engaging user interface using **Chakra UI** to enhance user experience.
- Database was built using **MongoDB** to store user scores and generate a weekly leaderboard with up-to-date rankings on top user's performance.

Sorting Algorithm Visualizer | *ReactJS, JavaScript*

- Designed **visual representation of 4 Sorting algorithms** to demonstrate sorting times.
- User can sort 1 algorithm or have **4 algorithms sort simultaneously** on the same randomly generated array.
- **Clock speed** is added to each algorithm to **compare runtime complexity** for different array sizes.
- Implemented a full testing suite with **Jest** testing framework to ensure the array was sorted correctly.

EDUCATION

University of California Santa Cruz

Dec 2022

Bachelor's of Computer Science

Relevant Coursework: Data Structures and Algorithms, Full-Stack Web Development, Database Systems, Algorithm Analysis, Programming Abstractions in Python, Applied Machine Learning

TECHNICAL SKILLS

Languages: JavaScript, Python, SQL (PostgreSQL), NoSQL (MongoDB), HTML, CSS

Libraries/Frameworks: ReactJS, Express, Material UI

Developer Tools: Git, Jest, Docker, VS Code