Sidney Brown, Jr.

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Work Experience

OCV, LLC   **Opelika, AL**
Software Engineer, Web   April 2021 — Present

- Developed and managed over 15 web applications enabling emergency services to provide important information to their locality using React, TypeScript, Styled-Components, and TailwindCSS.
- Collaborated with Client Success Managers and Designers to ensure clients' websites provided all functionality necessary for a positive user experience.
- Reduced initial web page load times 94% by utilizing Webpack Tree Shaking and route-based Code-Splitting, lazy-loading images, and minimizing chunk size and number of concurrent network requests resulting in a FCP within 0.7sec and 1.2sec on desktop and mobile, respectively.
- Created a design system with the Designers and Director of Engineering through Zeplin to incorporate stylistic consistency inside the codebase's components.
- Pioneered the implementation of automated code testing with Jest into the codebase resulting in decreased bugs and component coupling.
- Guided a team of 3, encouraging professional growth and best coding practices through pair-programming, shadowing, and code reviews.

Center for Advanced Vehicular Systems   **Starkville, MS**
Student Web Developer   April 2019 — May 2020

- Created over 12 new web pages relaying information of previous successful projects and current research using HTML, CSS, JavaScript, jQuery, Bootstrap, and PHP.
- Produced an interface to facilitate the process for non-technical Staff members to distribute employees amongst Research teams with JavaScript, PHP, and Ajax.
- Developed a searchable employee directory showcasing all current employees using JavaScript, PHP, Ajax, and SQL.

Projects

[Quizler](#) | *React, React Router, Chakra UI, Redux Toolkit, RTK Query, OpenTriviaDB*

- Developed a SPA that allows users to take short quizzes on a variety of topics using React and Chakra UI for the user interface, and Redux Toolkit for state management.
- Retrieved quiz questions and answers asynchronously from a public trivia API using RTK Query for fetching and caching.
- Implemented React Router v6 making the application resemble a traditional multi-page application.

Skills

Languages: JavaScript, TypeScript, Python, HTML, CSS
Frameworks: React, Styled-Components, TailwindCSS, Bootstrap, TanStack Query, Node.js, Express, Jest, React-Testing-Library
Technologies: Git, Husky, ESLint, Datadog, AWS, Visual Studio Code

Education

Mississippi State University   **Starkville, MS**
Bachelor of Science in Computer Science   May 2020