

Brian Sitenga

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EXPERIENCE

Undergraduate Fellow

Horizons Fellowship

June 2019 – Aug. 2019, New York, NY

- Researched UX design principles under senior frontend engineers.
- Assisted in the development of a web scraper using browser automation with Nightmare.js.
- Collaborated in teams to develop and test user interfaces.
- Presented the final team project to external industry experts.

EDUCATION

Bachelors of Science in Computer Science and Business Administration

University of Southern California • Los Angeles, CA • Aug. 2018 – May 2022

SKILLS & TECHNOLOGIES

Backend Technologies: Express.js, GraphQL, MongoDB, Mongoose, Node.js, NPM, Passport.js, Underscore.js, Websockets

Frontend Technologies: Bootstrap, Flexbox, jQuery, React, React Native, Redux

Languages: C++, CSS, HTML, Java (familiar), Javascript

INVOLVEMENT

Horizonite Hackathon

New York City • School of Technology • August 2019

- 2nd place winner for a hackathon attended by USC, UPenn, and Carnegie Mellon students.
- Collaborated in a team of four to create a self-updating, daily current events quiz.
- Leveraged New York Time's Top Stories API to parse for key words and events featured in NYT articles.
- Implemented leaderboards and streaks within the web app's social networking feature.

Volunteer Tutor

USC Mentoring Organization • Teach For Los Angeles • January 2019 – Present

- Conducted group tutoring sessions and created lesson plans for more advanced students
- Provided mentorship for three students interested in STEM.

PROJECTS

CoolDox (Draft.js, Electron, WebSockets) – Collaborative Rich Text Editor

- Developed a real-time, multi-page desktop application with shared cursor highlighting and live editing.
- Designed an Express.js backend to interact with a MongoDB database to store user and document data.

CurateJS (React, React Router, Spotify API) – Spotify Playlist Generator

- Built a web app for generating unique Spotify playlists from a small subset of five songs.
- Added a feature to generate playlists based on danceability, liveness, energy, genre, and tempo.
- Implemented a tool to analyze the user's existing playlists and rank songs based on their given features.

WhiteBoard (Java, jQuery, Apache, MySQL) – Homework Help Queue for USC Students

- Architected a live queuing system for users in multiple organizational levels to receive streamlined help from TA's.
- Stored administrator information and queue data in a Google Cloud MySQL database.

Trackr (React Native, React Router, MongoDB, chrome.* API, Chart.js) – Chrome Webtime Tracker

- Integrated chrome.* API with Chart.js to visualize screen time data and filter blacklisted websites.
- Developed the chrome extension to track user screen time, storing web data and account information in MongoDB.
- Built a mobile application to display account data and insights with React Native.