

Alexander George

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Skills JavaScript, React, Redux, Apollo, Ruby, Rails, C, C++, Java, Python, HTML5, CSS3, Git, SQL, PostgreSQL, jQuery, GraphQL, MongoDB, Express, Node, Docker, Heroku, Netlify

Projects

Spotlofi (JavaScript, React, Redux, Ruby, Rails, PostgreSQL, HTML5, CSS)

[Live Site](#) | [Github](#)

A web-based music streaming application inspired by Spotify and dedicated to solely lofi music

- Incorporated the React Player npm package to easily construct an audio web player providing a pleasurable user experience.
- Implemented AWS to host music files and urls to ensure scalability, and reduce server load.
- Employed CSS grid and media queries to implement responsive design allowing for seamless use across all device sizes.
- Integrated Google Platform API allowing ease of access through sign-in with Google account.

ODOT (JavaScript, React, Apollo, GraphQL, MongoDB, Node, HTML5, CSS)

[Live Site](#) | [Github](#)

A minimalist todo application inspired by Trello

- Constructed functional components over classes to ensure standardization, increase readability across application, and allow the implementation of hooks where necessary.
- Engineered insightful and minimalistic UI / UX using React-Spring to ensure straight-forward usage and encourage retention of new users.
- Developed a custom modal component capable of rendering parameterized functional components to reduce and reuse code.

Vanilla Tetris (JavaScript, Canvas, HTML5, CSS)

[Live Site](#) | [Github](#)

Classic Tetris game built using only the technologies above

- Created a custom algorithm to increase randomization among subsequent pieces by weighting pieces with lower in-game occurrences.
- Incorporated statistics and local high scores, using local storage, to create a sense of pride and accomplishment to the user.
- Designed dynamically sized rendering using media queries and reading window sizes to ensure high quality graphics from html canvas.
- Leveraged JavaScript inheritance to modularize code and optimize production.

Experience

AFROTC

Vice Wing Commander

Aug 2018 - Dec 2018

- Managed, organized, and maintained the logistics of detachment activities occurring three to four times a week.
- Facilitated leadership over the detachment containing around 150 cadets.
- Lled cadets in the development of cadet training plans for each week of the semester.

Varsity Pizza

Delivery Driver

May 2019 - Aug 2019

- Dispatched an average of 10 deliveries a night in a 20 mile radius.
- Managed and maintained operation of the store when the assigned manager was absent.
- Outpaced other drivers by an average of 15% increasing store availability and revenue.

Education

App Academy

Aug 2019 - Feb 2020

Immersive software development course with focus on full stack web development.

Washington State University

Aug 2015 - May 2019

Pursued a degree in and certified for Computer Science B.S.

Completed relevant coursework in:

Program Design and Development C/C++, Data Structures C/C++, Advanced Data Structures C/C++, Introduction to Computer Architecture, Automata and Formal Languages, Object-Oriented Software Principles, Software Engineering Principles I, Design and Analysis of Algorithms