

Summary

Front-end engineer with proficiency in React, Typescript, and NodeJS

Skills

Proficient: React, Node, Typescript, JavaScript, SQL, REST API, HTML, CSS, OOP
Some Experience: Ruby on Rails, AWS, React Native, Java, C++
Currently Learning: Ruby on Rails, React Native, ASP.NET, C#, Design Patterns

Projects

- 2022 - [Lab Rats](#) - Created and continue to maintain Lab Rats, a full-stack research laboratory task management system made with React (client-side) and Node (server-side) with a MongoDB NoSQL database under an AGILE development process. Applied systems architecture knowledge by diagramming the architecture and user-flow. In addition, scheduled each part of the web-apps lifecycle and broke it down into phases which was used to calculate a critical path using the Critical Path Method (CPM) for a timeline regarding product delivery.
- 2021 - [NEAARRD Lab Website](#) - Created and continue to maintain the NEAARRD Lab's website built with React. The website was built for a cognitive neuropsychological research laboratory at Kennesaw State University. The website contains links for projects, current studies, past research, and information for lab members, as well as a contact section for general consultation or applications to join the lab.
- 2022 - [Personal Website](#) - Created and continue to maintain a personal website using Next.JS, React, and CSS. The website contains links to projects, blog posts, and contact information.
- 2021 - Vaping Dependency - Created a full-stack psychological web experiment that consists of a modified Stroop Task using Node and Express (server-side), AWS S3 buckets for CSV data storage, and standard HTML, JavaScript, and CSS alongside the JsPsych JavaScript Library.
- 2021 - [Stroop Task](#) - Created the Stroop task (cognitive psychological evaluation measure) that was programmed entirely in C++. The project utilized the allegro 5 game library to construct visual stimuli triggered by user input. Additionally, the project utilized fundamental algorithms and data structures to create a working psychological experiment that tracks and logs the data obtained from the user input.

Work Experience

- Full-Stack Engineer** NEAARRD Lab *Kennesaw State University 2021 - 2023*
- Migrated web experiments to operational independence.
 - Actively engaged end-users and product managers to better understand and improve web experiments.
 - Wrote significant portion of code foundation, allowing code reuse and rapidly iterated features.
 - Improved availability and overall performance of web experiments.
- Research Assistant** BARnGRIL Lab *Kennesaw State University 2019 - 2022*
- Wrote code for psychological experiments in C++.
 - Analyzed complex electroencephalograph data.
 - Presented at Undergraduate Research Conferences.

Education

- Bachelor of Science, 3.8 GPA* *Kennesaw State University 2021*
Master of Science Software Engineering, 4.0 GPA *Kennesaw State University 2023*