

CASEY FRITSCH

FULL STACK DEVELOPER

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Technical

JavaScript React Redux Ruby Ruby on Rails SQL SCSS HTML CSS PHP Git Java

Projects

MathPath

www.mathpath.rocks | github.com/cfritsch5/MathPath

Full stack web application built with Ruby on Rails, React, and Redux allowing students to easily learn elementary math concepts

Structured the component hierarchy to enable users to reliably navigate the lesson plan progression

Designed content package that leads students from fundamental concepts to advanced exercises

Achieved consistent user experience by tracking lesson progress in the Postgres database and saving their work

Shelffaux

www.shelffaux.pro | github.com/cfritsch5/shelffaux

Interactive 3D bookshelf allowing users to experience unique book browsing built in HTML, JavaScript, & CSS

Designed intuitive UX/UI that reminds users of actually browsing a bookshelf

Ensured images were always displayed in perspective by dynamically updating the transformation algorithm

Leveraged mouse event listeners to create responsive animations

Implemented Bubble Sort to achieve special 3d effects while sorting

StreakLog (In Progress)

www.streaklog.club | github.com/cfritsch5/streaklog

Ruby on Rails, React Native, and Redux - Personal Accountability Logger

Dynamically set user timezones by utilizing the browser api to post user dependant information to the back end

Designed back end for cross platform deployment in React and React Native resulting in flexible and portable user interface

Experience

City Year

2015-2016

Americorps Volunteer

Mentored at risk students teaching four daily Algebra support lessons, and leading environmental beautification projects

Illinois Institute of Technology

2012-2015

Resident Advisor

Proposed, planned, and implemented monthly community development programming, and safe space programming for 150 residents and 70 staff members

Illinois Institute of Technology

2014-2014

Teaching Assistant - Computer Science for Engineers

Led weekly group lab sessions of up to 30 students and bi-weekly individual and group tutoring sessions on the Matlab language and core computer science concepts from variables to computational results

Education

Illinois Institute of Technology

2015

Mechanical Engineering

App Academy

2017

Full Stack Software Engineering

Highly selective program accepts <3% of applicants. 1000 hours of programming experience