

Alexander Crisel

(618) 214-9776

alexcrisel4@gmail.com

[GitHub](#)

[LinkedIn](#)

SKILLS

Ruby, Rails, Redux, JavaScript, HTML5, CSS, SQL, GraphQL, Docker, MERN (MongoDB, Express.js, React, Node.js)

PROJECTS

Jogga (MongoDB, Express, React, Node, GraphQL, Apollo)

[live](#) | [github](#)

A web based app to plan and track running routes modeled after Strava

- Integrated **AWS S3** with **Apollo** to allow for cloud storage of user profile pictures and scaling.
- Implemented a **GraphQL** layer to unify the **Rails** and **Express** servers with multiple external APIs
- Launched using **Docker** containers to ensure a consistent environment in development and production

Twenty48 (JavaScript, HTML5, CSS)

[live](#) | [github](#)

Fun game based on the classic 2048

- Utilized the versatility of **HTML Canvas** to display seamless animation
- Executed array manipulation logic in order for numbers to slide and combine appropriately
- Employed **Firebase** for effortless hosting

Quizit (Rails, ReactJS, PostgreSQL)

[live](#) | [github](#)

A way for teachers to create fun formative assessments for their students

- Created a multi-step login form to allow for 3 different types of users
- Incorporated AWS to store uploaded images for profiles and quiz questions

Super (MongoDB, Express, React, Node)

[live](#) | [github](#)

A content production platform built for junior developers using the MERN stack

- Used **Mongoose** populate and **Express** router to retrieve multiple pieces of information in one API call
- Designed a **React** front end for users to write comments and view other users' comments

EXPERIENCE

Science Teacher

San Francisco Unified School District

Aug 2017 - Dec 2018

- Served as lead science teacher to enrich the growth of colleagues and ensure best practices across the department
- Facilitated weekly grade level meetings to guarantee equitable support for all students
- Field tested and provided feedback for new SFUSD science curriculum

Site Director

Destination Science

May 2017 - Aug 2017

- Oversaw daily operations and logistics of camp, creating a high energy, organized, professional experience for campers and staff
- Led and managed a team of 4 instructors, ensuring quality science education and overall performance
- Maintained a high level of service to colleagues and families despite regularly shifting priorities.

EDUCATION

Web Development - App Academy | Fall 2019

BS Integrative Biology - University of Illinois at Urbana Champaign | 2010 - 2014