Casey Fritsch

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SKILLS

Ruby on Rails React Redux Java JavaScript HTML CSS Git Rspec Matlab SQL

EDUCATION

App Academy

Software Engineering

August 2017

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

Illinois Institute of Technology

B.S Mechanical Engineering

May 2015

- Highlighted Courses: Java 1 & 2, Computer Science for Engineers

PROJECTS

MathPath, [Live](#) | [Git](#) — *Ruby on Rails, React.js, & Redux.js*
Math practice problems learning app

- Implemented React components to dynamically display content and manage dynamic front end data with Redux
- Utilized PostgreSQL relational database to manage user, curriculum, and progress data

StreakLog, [Live](#) | [Git](#) — *Ruby on Rails, React.js, & Redux.js*
Personal accountability logger

- Created custom associations and managed model dependency
- Implemented accurate user date rollover with responsive time zone management

Shelffaux, [Live](#) | [Git](#) — *JavaScript, HTML*
Interactive 3D bookshelf

- Created custom interactive 3d animation for viewing books in dynamic perspective using JavaScript & HTML canvas
- Developed an algorithm to resample images and transform the image into perspective

EXPERIENCE

City Year — *Americorps Volunteer*

July 2015 - June 2016

- Taught four daily Algebra support lessons, mentored at risk students, and lead community garden beautification project

Illinois Tech — *Resident Advisor*

August 2013 - May 2015

- Founded the ongoing partnership with the Human Library Chicago, and led the student team running the founding event

Illinois Tech — *Computer Science Teaching Assistant*

January 2014 - June 2014

- Led weekly lab sessions and bi-weekly tutoring sessions on the Matlab language and core computer science concepts