

Casey Fritsch

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SKILLS

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

EDUCATION

App Academy

Software Engineering Course

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, & Redux*

- 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

Shelffaux, [Live](#) | [Git](#) — *JavaScript, HTML*

- Created custom 3d animation for viewing books in perspective using JavaScript & HTML canvas
- Developed an algorithm to resample images and transform the image into perspective
- Built responsive animations for books to dynamically respond to mouse movement
- Implemented Bubble Sort to achieve special effects while sorting

EXPERIENCE

City Year — *Americorps Volunteer*

July 2015 - June 2016

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

Illinois Institute of Technology — *Resident Advisor*

May 2015

- Proposed, planned, and implemented monthly community development programming, and safe space programming for 150 residents and 70 staff members
- Initiated the partnership between the ongoing Human Library Chicago, and led the student team running the founding event

Illinois Institute of Technology — *Teaching Assistant - Computer Science for Engineers*

January 2014 - June 2014

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