

PROJECTS

NoteBinder (Ruby on Rails, PostgreSQL, JavaScript, React, Redux) [live](#) | [github](#)

A RESTful single-page note-taking web app with a Flux architecture and JSON API

- Implements an AJAX request-bound keyboard event listener within a React-Quill component for real-time seamless rich-text note-editing
- Uploads a local avatar image to the cloud using AWS S3 and Paperclip, a scalable feature that gives users a more personal experience
- Keeps code DRY using Jbuilder partials and minimizes AJAX requests using eager loading to limit redundant database queries

Periodic Table Battleship (JavaScript, jQuery, CSS, HTML) [live](#) | [github](#)

A browser game of Battleship with an educational twist

- Uses modular arithmetic to insert 120 Periodic Table elements into a custom grid
- Features constant time lookup of data about each element

DOMani (JavaScript, HTML) [github](#)

A lightweight DOM manipulation library

- Features a class, DOMNodeCollection, that holds DOM nodes and offers methods for DOM manipulation, such as #html and #append, and traversal, such as #children
- Provides a core function, \$!, whose capabilities include finding DOM nodes based on a CSS selector or an HTML element

SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Flux, SQL, Git, HTML, CSS

EDUCATION

App Academy **January 2017**

1000-hour full-stack web development program with an acceptance rate of <3%

Topics included: TDD, algorithms, OOP, REST, web development best practices

New York University Steinhardt **January 2014**

Master of Arts in 7-12 Math Education – Cumulative GPA: 3.94/4.00

New York University College of Arts and Sciences **May 2011**

Bachelor of Arts in Mathematics – Cumulative GPA: 3.64/4.00

Coursework included: Calculus III, Analysis II, Algebra I, Theory of Probability, Mathematical Statistics, Ordinary Differential Equations, Discrete Mathematics

WORK

Tutor **September 2015 – September 2016**

Tutored high school students for the NYS Chemistry Regents, allowing them all to receive scores over 85%

Middle School Math/Science Teacher **September 2014 – June 2015**

Designed and implemented a curriculum for students with disabilities, ensuring that each student met the minimum requirements for moving on to the next grade