

PROJECTS

NoteBinder (Ruby on Rails, PostgreSQL, JavaScript, React, Redux)

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

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

- Implemented eager loading for seamless navigation between notes
- Utilized AWS S3 and Paperclip to upload a local avatar image to the cloud, a scalable feature that gives users a more personal experience
- Minimized AJAX requests using JSON object structure optimizations to limit redundant database queries and kept code DRY using Jbuilder partials

Periodic Table Battleship (JavaScript, jQuery, CSS, HTML)

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

A browser game of Battleship with an educational twist

- Stored Periodic Table Element information in a POJO for constant-time lookup
- Leveraged modular arithmetic to insert 118 Element Symbols into a custom grid

DOMani (JavaScript, HTML)

[github](#)

A lightweight DOM manipulation library

- Created a DOMNodeCollection class which holds DOM nodes and offers methods for DOM manipulation, such as `#html` and `#append`, and traversal, such as `#children`
- Designed a core function, `$l`, 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: Test-Driven Development, Data Structures and Algorithms, Object-Oriented Design, 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

Private Tutoring

September 2015 – September 2016

- Coached struggling high school students for NYS Chemistry Regents Exam; students all scored over 85%

The Louis Armstrong Middle School (Teacher)

September 2014 – June 2015

- Designed and implemented a math and science curriculum for students with disabilities, ensuring that each student met state requirements for grade advancement

New York University Abu Dhabi (Teaching Assistant)

August 2011 – May 2012

- Facilitated six undergraduate math classes of 20-30 students each, providing small group and personal tutoring sessions for students