

## 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
- Built [Space Invaders Anno DOMani](#) ([github](#)), a browser game that utilizes DOMani

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## SKILLS

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

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## 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

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## 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