Kenneth **Chen**

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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

RSSFeedMe (Node.js, Express.js, EJS, MongoDB, jQuery)   live | github
A full-stack app that gathers the latest news and information from various RSS feeds
- Leveraged a Yahoo! feed API which organizes feed data and returns it as JSON
- Used async to fetch article data from different feeds before rendering Today page

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, Node.js, jQuery, React.js, 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

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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

PORTFOLIO kennethchen.info   **GITHUB** github.com/kchen21   **LINKEDIN** linkedin.com/in/kchen21