

John Nico

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PROJECTS

Prodigy - A Genius clone built with Rails, React/Redux and PostgreSQL [live](#) | [github](#)

- Employs document.getSelection() to store selected lyrics and generate custom styled inline annotations. Users can also comment on and upvote/downvote annotations.
- Integrates music videos, using Youtube's Data API upon creation of track, allowing user to listen to music while they annotate.
- Stores images remotely using AWS S3, thus facilitating scalability by reducing server load.
- Validates User Authorization in the backend with BCrypt Gem.

DOMtastic - A lean JS library designed for easier DOM manipulation [github](#)

- Provides users with useful methods including inserting, removing and finding DOM elements.
- Offers users a sleek XMLHttpRequest wrapper for cleaner and more intuitive ajax requests.

Pipe Mania - A Pipe Dream clone built with Vanilla JS and Canvas [live](#) | [github](#)

- Generates randomly drawn HTML5 canvas elements, providing unique challenges each game
 - Utilizes higher-order-function to determine next pipe for liquid flow by running callback function upon completion of animation.
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SKILLS

Ruby, Ruby on Rails, JavaScript, jQuery, React.js, Rspec, Redux, SQL, Git, HTML5, CSS3

EDUCATION

Web Development - App Academy (Fall 2016)

- Intense 12-week, 1000-hour full stack bootcamp with <5% acceptance rate.
- Topics of study include TDD, algorithms, coding style, and web development best practices.

BS Chemistry - St. John's University, 2012

- GPA 3.9 Summa Cum Laude
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WORK HISTORY

Lab Technician B - Albert Einstein College of Medicine (Oct 2013 - Aug 2016)

- Optimized RNA and DNA extraction protocol to obtain 150% higher yield of product.
- Trained inexperienced replacement in a variety of technical protocols by translating complex experiments into smaller and simpler steps.

Online Mathematics/Science Tutor - Brainfuse Inc. (Nov 2011 - Oct 2013)

- Assisted 100+ students through digital whiteboard by clearly communicating and listening in a digital setting. Most students received higher test scores after lessons.



www.github.com/jnico810



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