

Skills

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

Projects

Finstagram

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

A full stack, single-page clone of Instagram. Made with React, Redux, JavaScript, Ruby on Rails, and PostgreSQL.

- Ensured normalized state by integrating JSON views and Rails associations, enabling fewer AJAX requests and non-duplicated data in Redux state.
- Utilized JavaScript's FileReader to read and display uploaded photos, allowing users to preview their posts before submission.
- Implemented user authentication by using BCrypt::Password.create and storing a password digest in the database rather than the password itself, enhancing user account security.
- Handled browser event listeners with React component lifecycle methods to add and remove them appropriately.
- Leveraged React components and Redux state to conditionally render relevant data to provide a seamless user experience.

Assemble!

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

A browser game based on Tetris. Made with HTML5 Canvas and vanilla JavaScript.

- Implemented game difficulty by inserting rows onto the stack and incrementing the delta of y-values based on factors such as points earned, number of lines simultaneously removed, and optional usage of shadow.
- Achieved piece movement functionality through the implementation of matrices. Rotation is achieved by transposition and stacking is accomplished by setting the values of the piece onto the board.
- Accomplished collision detection by checking if any non-zero values are in the same position. If true, the piece is moved back to its pre-collided position.
- The canvas is continuously updated and rendered by utilizing JavaScript's window.requestAnimationFrame, resulting in smooth animation and instant visual feedback.

Experience

Software Engineer Technical Instructor

App Academy - Manhattan, NY

May 2019 - Present

- Conducted rigorous technical screens of applicants to assess algorithmic aptitude and logical thinking in JavaScript, Ruby, Python, and Java.
- Evaluated applicants' pair programming abilities, problem solving strategies, and performance under pressure.

Assistant Manager

Paris Baguette America, Inc. - Flushing, NY

March 2012 - July 2014

- Supervised a team of 20 employees and daily store operations, enforcing safe practices in the work environment and focusing on employee/customer relationships.
- Improved employee productivity by 20% through an inclusive management style, giving employees an opportunity to contribute to the workflow and letting them feel important to the team.

Education

App Academy (February 2019)

A 1000-hour immersive course with a less than 3% acceptance rate. Covers computer science fundamentals, algorithms, REST, scalability, TDD, security, OOP, single-page applications, and web development best practices.

CUNY Queens College (May 2017)

BA - Environmental Science