

Maggie Liu

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PROJECTS

Instapups (Rails, PostgreSQL, React.js/Redux)

[Live](#) | [Github](#)

A single-page social media app inspired by Instagram for sharing photos of puppies

- Utilized Rails RESTful routes for CRUD operations on images and users
- Implemented infinite scroll of images (stored using AWS S3 and Paperclip) by updating React components in real time via AJAX requests for more images when the bottom of the page is reached
- Created Rails polymorphic associations for likes, comments, and follows and minimized queries to the database by preloading the associated data to increase scalability

Color Swap (JavaScript, HTML5 Canvas)

[Live](#) | [Github](#)

A browser game inspired by Color Switch

- Calculated points of collision between circles and various rotating shapes at different angles
- Utilized HTML5 for smooth animation of the rotating obstacles and detection of collisions
- Implemented Object Oriented Programming with seamless UX design where the player moves with gravity on event listeners and the obstacles shift relative to the player

jCurry (JavaScript)

[Live](#) | [Github](#)

A library that assists in native DOM manipulation inspired by jQuery

- Created methods for traversing the DOM to increase the ease of navigating through the DOM, creating AJAX requests and handling events
- Implemented the classic game of Snake using this library

SKILLS

Ruby, Rails, JavaScript, React.js, Redux, Flux, Python, SQL, RSpec, Git, HTML, CSS

EDUCATION

App Academy

May 2017

- 12-week full-stack web development programming bootcamp with < 5% acceptance rate
- Topics: Rails, JS, SQL, React, TDD, scalability, algorithms, OOP, single-page apps

Carnegie Mellon University - BS in Biological Sciences and Psychology

May 2016

- Courses: Principles of Computing (Ruby), Fundamentals of Programming (Python)
- GPA: 3.82

EXPERIENCE

Office Intern - NYC Dept of Health and Mental Hygiene

July 2015 - August 2015

- Reviewed DOHMH business customer service content on nyc.gov/business to identify and report gaps and deficiencies that helped improve user interaction with the website
- Formatted 2015's Executive Management and Analysis reporting files on Excel to ease the staff's understanding of the data