

# Maggie Liu

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LOCATION • New York GITHUB • [liumaggie](https://github.com/liumaggie)

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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, users, likes, comments
- 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 database queries 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 rotating shapes at different angles
- Utilized HTML5 for smooth animation of the rotating obstacles and collision detection
- Incorporated Object Oriented Programming with seamless UX design where the player moves with gravity on event listeners and obstacles shift relative to the player

**jCurry** (JavaScript)

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

*A library that assists in native DOM manipulation inspired by jQuery*

- Developed methods for traversing the DOM to increase the ease of navigating through the DOM, creating AJAX requests and handling events
- Built the classic game of Snake using this library by creating a grid on the DOM and changing the snake's position through class updates

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## SKILLS

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

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## 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

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## EXPERIENCE

**Office Intern** - NYC Dept of Health and Mental Hygiene

**July 2015 - August 2015**

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