

# KATHRYN FOSTER LAWRENCE

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[website](#) | [github](#) | [linkedin](#)

## PROJECTS

**Plantstagram** | Single-page Instagram clone [live](#) | [github](#)

*Ruby on Rails and React/Redux*

Stores user uploads in the cloud via AWS S3 to to optimize load time of high-quality photos in photo feed, allowing for future scalability

Provides a responsive user experience via CSS3 media queries

Leverages custom ActiveRecord queries and avoids  $n + 1$  queries by eagerly loading model associations

Employs custom routes for photo modals, allowing users to easily link to individual posts from outside the site

**Sensory Input** | Interactive canvas animations [live](#) | [github](#)

*JavaScript, HTML5 Canvas, Greensock*

Recursively animates canvas elements with GSAP's TweenMax library, allowing for smooth, even, and attractive animation

Calculates relative values based on page height and width for each element, allowing animation and user interaction to scale responsively with screen

**kQuery** | Lightweight JavaScript DOM manipulation library [github](#)

*JavaScript*

Adds utility including AJAX requests while keeping page weight light

Provides a DOM Node Collection to allow for the addition and removal of event listeners, tracking of children and parent content, asynchronous requests, and other integral functionality for effective DOM manipulation

## SKILLS

Ruby | Ruby on Rails | RSpec | JavaScript | jQuery | React | Redux | SQL | Git | HTML5 | CSS3 | SASS

InDesign | Illustrator | Photoshop | Lightroom | Premiere | FileMaker Pro

## EDUCATION

**App Academy** | New York, NY

Programming Bootcamp with <3% acceptance rate

January 2017

**The New School for Public Engagement** | New York, NY

Bachelor of Arts in Liberal Arts | Concentration in Art History

December 2014 | GPA 3.96

## SELECTED EXPERIENCE

**C2 Education** | Chatham, NJ

*Head English and Math Tutor* | May 2014 - October 2016

Tutored students in SAT, ACT, SAT subject tests, and AP tests, focusing on Algebra II and Precalculus

Managed 4-5 junior tutors, monitoring classes and paperwork to ensure quality of instruction and student progress