

## INFORMATION

- New York, NY
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- [Github](#) • [LinkedIn](#)
- [Portfolio](#) - [www.mattyliu.com](http://www.mattyliu.com)

## SKILLS

<b>JavaScript</b>	<b>Ruby</b>
jQuery	Rails
<b>AJAX</b>	<b>HTML5</b>
React.js	CSS3
<b>Redux</b>	<b>GIT</b>
SQL	AWS

## EDUCATION

### App Academy (Fall 2017)

Immersive software development course with focus on full stack web development

1000 hour web development bootcamp with < 3% acceptance rate.

### University of Massachusetts (Fall 2007 - Spring 2011)

B.S. Chemistry, **Magna Cum Laude**  
GPA: **3.796** / 4.000

### Undergraduate Thesis in Chemical Education

Evaluating Student Learning in Organic Chemistry through Electronic Exams

# Matthew Liu

## Software Developer

## PROJECTS

### **petLove** | JavaScript, React, Redux, Rails, PostgreSQL WebApp [Live Site](#) | [Github](#)

Single page app for pet owners to help set up playdates for their pets, inspired by okCupid

- Communicates with a RESTful JSON rails API for logical and efficient CRUD management
- Saves user submitted images to AWS (via Paperclip) for easily scalable storage of user submitted content
- Features a matching algorithm to overcome user matching issues which resulted in more efficient user matching generation.

### **PopularTimes Manhattan** | JavaScript, Google Maps API, Data Visualization [Live Site](#) | [Github](#)

Data visualization illustrating how busy businesses are

- Implements Google Places API to fetch customer traffic data and creates data responsive markers on Google Maps.
- Highlights an expressive users interface with dynamic updating and re-rendering of data points based on the user specified time and day of week.

### **Domination** | Javascript JavaScript Library [Github](#)

JavaScript library to help with altering the DOM inspired by jQuery

- Allows users to make core DOM manipulation, AJAX requests, and event handling using the native DOM/JavaScript API
- Adopts a semantic naming system for easier understanding of DOM manipulation functions for beginners

## EXPERIENCE

### **Department of Science, Randolph High** (Fall 2011 - Summer 2015) Secondary Level Educator

- Worked in low income communities to develop strong foundational understanding in science and math.
- Lead chemistry department in designing/planning the chemistry curriculum and fostered interdisciplinary collaboration with other academic departments.

### **Private Tutor / Homeschool Teacher** (Summer 2007 - Fall 2017) Self Employed

- Worked with over 100+ students in a variety of science and math disciplines. Topics included high school and college level math and science courses (general chemistry, organic chemistry, physics, algebra, geometry, trigonometry, calculus), & standardized test prep (SAT/GRE/MCAT prep).