

# Kei Man Yeung

Brooklyn NY • 212 810 1058 • [ky2286@columbia.edu](mailto:ky2286@columbia.edu)  
[www.linkedin.com/in/keimanyeung](http://www.linkedin.com/in/keimanyeung) • [www.keimanyeung.me](http://www.keimanyeung.me) • [www.github.com/kmy01](http://www.github.com/kmy01)

## Projects

### **Postr (React, Ruby, Rails, JavaScript, PostgreSQL)**

[Live](#) | [GitHub](#)

*A social blogging medium inspired by Tumblr with RESTful API and CRUD operations*

- Implemented a Flux architecture for data retrieval from backend database to the frontend to easily manage data being passed to components in the view
- Eagerly loaded data for a responsive UI providing a smooth user experience
- Remotely stored file uploads in the cloud through AWS S3 for scalability to reduce load on server

### **BubbleS (JavaScript, Canvas, CSS3)**

[Live](#) | [GitHub](#)

*A browser game based on Puzzle Bobble*

- Utilized HTML Canvas to draw bubble objects and to animate frames for moving objects
- Tracked mouse movements and clicks with event handlers to calculate direction to shoot bubble

### **RubyRMap (Ruby, SQLite3)**

[GitHub](#)

*A lightweight object relational mapping library based on Rails' ActiveRecord*

- Defined table attribute setters and getters using metaprogramming to produce DRY code
- Created relational mapping of database tables to Model classes allowing for association queries

### **The ASCO Verification Tester**

*A testing platform used to verify industrial switch controllers*

- Oversaw a team of six engineers to design and prototype a testing platform for Emerson's ASCO Switch Controllers by simulating three-phase AC voltage and current up to 300V and 12A
- Designed schematics and layout for all the circuits to be fabricated professionally onto PCBs
- Coordinated meetings with customer for project updates and to assign new goals to team members

## Technical Skills

Ruby, Ruby on Rails, React, JavaScript, jQuery, SQL, HTML5, CSS3, Git, C, MATLAB

## Education

### **App Academy**

Web Application Development

*Immersive full-stack web development program with emphasis on pair programming*

New York, NY  
2016

### **Columbia University, School of Engineering and Applied Science**

MS in Electrical Engineering, GPA 3.43/4.00

New York, NY  
2015

### **Binghamton University, Watson School of Engineering**

BS in Electrical Engineering, GPA 3.84/4.00

Binghamton, NY  
2013

## Work Experience

### **Space Systems/Loral, LLC.**

Communication Systems Intern

Palo Alto, CA  
June 2014 - August 2014

- Travelled to Australia to support the site acceptance testing for the delivery of a satellite beam optimization tool to the customer by ensuring critical subsystems are fully functioning
- Responsible for setting up and testing a secure accounting, authentication, and authorization server using a RADSEC proxy
- Created a bash script to manage the network file system server of the payload control system by archiving older telemetry reports to reduce system slowdowns