# Chiao-Wen Lin (Leah)

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GitHub LinkedIn

## PROJECTS

**Mumblr** (Rails, Backbone.js)                                                    **Live GitHub**

A blog web app inspired by tumblr and built on Rails and Backbone
- ❖ Utilize nested composite views to reduce garbage collection
- ❖ Reuse views, partials and mixins to DRY up codes
- ❖ Build a user friendly interactive interface with responsive design

**Asteroids** (JavaScript, HTML5 Canvas)                                           **Link GitHub**

A browser-based shooting game written primary with JavaScript and jQuery
- ❖ Apply class inheritance for DRY, maintainable code
- ❖ Implement physics dynamics for collisions and movements
- ❖ Designed with concise logic and descriptive code

**Rails-Lite** (Ruby)                                                              **GitHub**

A server side framework inspired by the functionality of Ruby on Rails written in Ruby
- ❖ Leverage Ruby's extensive metaprogramming and reflexive to create a base interface enable the communication between MVC.

## SKILLS

Ruby  Ruby on Rails  JavaScript  Backbone  jQuery  HTML5
CSS  PostgreSQL  RSpec  TDD  MatLab  R

## EDUCATION

**App Academy**                                                                    2015

Full-stack web development course with an acceptance rate below than 5%
- ❖ Develop communication skill as well as team work from pair programming

**University of California, Los Angeles**                                          2013-2014

Master of Science in Mechanical and Aerospace Engineering
- ❖ Programming relevant coursework: Linear Algebra and Matrix Analysis, Graphs and Network Flows, Network Coding Theory and Application, Linear Programming

## EXPERIENCE

**Bronx Center for Science and Mathematics**                                       Feb.-May 2015

Volunteer Robotics Programmer, Arduino
Assist to facilitate the system programming of the DFRobotShop Rover V2 – Arduino Compatible Tracked robot for school project in robotic club.