

# Chiao-Wen Lin (Leah)

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[GitHub](#) [LinkedIn](#)

## PROJECTS

### **Mumblr** (Rails, Backbone.js)

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

A blog web app inspired by tumblr

- ❖ Utilizes nested composite views to reduce garbage collection
- ❖ Reuses views, partials and mixins to DRY up code
- ❖ Includes user-friendly interactive interface with responsive design

### **Asteroids** (JavaScript, HTML5 Canvas)

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

A browser-based shooting game written primary with JavaScript and jQuery

- ❖ Applies class inheritance for DRY, maintainable code
- ❖ Implements physics dynamics for realistic 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

- ❖ Leverages Ruby's extensive metaprogramming to create a interface enabling the communication between MVC

## SKILLS

Ruby Ruby on Rails JavaScript Backbone Node.js jQuery HTML5  
CSS SQL PostgreSQL RSpec TDD MatLab R

## EDUCATION

### **App Academy**

2015

Full-stack web development course with an acceptance rate below 5%

- ❖ Developed communication skills as well as teamwork through intensive pair programming

### **University of California, Los Angeles**

2013-2014

Master of Science in Mechanical and Aerospace Engineering

- ❖ Relevant coursework: Linear Algebra and Matrix Analysis, Graphs and Network Flows, Network Coding Theory and Application, Linear Programming

### **National Taiwan University**

2009-2012

Bachelor of Science in Mechanical Engineering

- ❖ Honors & Awards: 2010 and 2011 Presidential Award for Distinguished Academic Performance

## EXPERIENCE

### **Bronx Center for Science and Mathematics**

Feb.-May 2015

Volunteer Robotics Programmer, Arduino

- ❖ Facilitated the system programming of the DFRobotShop Rover V2 – Arduino Compatible Tracked robot for school robotics club