

# Chiao-Wen Lin (Leah)

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

## PROJECTS

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

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

A blogging web app inspired by tumblr

- ❖ Utilizes nested composite views to improve garbage collection
- ❖ Reuses views, partials and mixins to DRY up code
- ❖ Installs optimal event listeners to provide real time updates
- ❖ Builds upon TDD for rapid development while maintaining code quality

### **Snake** (JavaScript, jQuery CSS)

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

A browser-based classic snake game

- ❖ Applies jQuery to handle user input and manage DOM elements' styling
- ❖ Designs snake and apple with pure CSS

### **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, GPA: 3.55

- ❖ 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, Cumulative GPA: 3.74; Last 60 GPA: 4.00

- ❖ 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