

# 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
- ❖ DRYs code with concise views, partials and mixins
- ❖ Provides real time updates by using event listeners
- ❖ Maintains code quality with critical test spec

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

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

A browser-based classic snake game

- ❖ Object-oriented design keeps structure clean and ties functionality to individual game components
- ❖ 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 focused on RESTful web development

## SKILLS

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

## EDUCATION

### **App Academy**

2015

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

- ❖ Intensive 12-week course with strong emphasis on code quality, effective professional design patterns, and 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

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