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 complex composite views to reduce garbage collection
- ❖ Reuses views with different styling in different interfaces 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 realisticcollisions 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