Derek Liang

CONTACT INFORMATION
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EDUCATION
University of California, Irvine – B.S. Computer Science, Graduating Spring 2015
Specialized in Embedded System Architecture and Artificial Intelligence

WORK EXPERIENCE

Firmware Engineering Intern   Oct., 2013 – June, 2014
Western Digital Corporation, Irvine, CA
Developed scripts to thoroughly test new firmware builds. Worked with senior firmware engineers on cutting-edge technologies.

Independent Web Developer Contractor   July – Sept., 2013
Wonder Technologies, Laguna Beach, CA
Built the company site with HTML5 and CSS3. Worked directly with the CEO and other web developers.

LATEST PROJECTS (see more at http://derekrliang.github.io/projects)

Programmer   May, 2014
Sleep Maze, University of California, Irvine, CA
Developed in Unity using C# for hackathon HackUCI over 36 hours. Worked in a team of 4. Implemented maze algorithm in C#, creating a random sized maze with valid connected doorways.

Lead Developer/Programmer   Jan. – March, 2014
Project X, University of California, Irvine, CA
2D platform side-scrolling video game. Developing in Unity using C# with MonoDevelop IDE.

Web Developer   Jan. – March, 2014
Grammar Brushstrokes, University of California, Irvine, CA
Ruby on Rails web application developed for Professor Rebecca Black in Dept. of Education at UC Irvine. Developed to teach and improve grammar in elementary students through the interactive website. Worked on both front-end and back-end Ruby on Rails development.

Project Developer   June, 2013
LED Pong, University of California, Irvine, CA
Using breadboard, Atmel ATMEGA32, 32x16 Adafruit LED, speaker, and two NES controllers to build a two-player pong game. Interfacing NES controller communications in C using timers, waits, and interrupts.

TEACHING EXPERIENCE

Lab Tutor   Sept. – Dec., 2013
ICS 45C, University of California, Irvine, CA
Attending lab sections twice a week to assist students in C++ on Linux environment ran in VirtualBox. Coding in VIM, Nano, and Emacs text editors. Working with other lab tutors and teaching assistants to accommodate numerous students. Assisting students to lead them into finding their own solutions in programming and to problems.

PROGRAMMING
C, C++, C#, .NET, Java, Android, Ruby on Rails, HTML5, CSS3, JavaScript, Linux/Ubuntu, Bash, Perl, Command Line