

Haimo Bai

Full-Stack Web Developer/iOS developer

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OBJECTIVE

Seeking for Full-Stack Web Developer/Front-end Developer Position, iOS developer

SKILLS

- JavaScript/jQuery
- Python
- MySQL
- Java/C++/C
- Node.js
- HTML5/CSS3

EDUCATION

University of Southern California Aug 2013 – expected Aug 2014

Master of Electrical Engineering, Computer Networking

North Carolina State University, Raleigh, NC Aug 2010 – Jun 2013

Bachelor of Electrical and Computer Engineering

- Major GPA: 3.74, Overall GPA: 3.73

University of New South Wales, Sydney, Australia Mar 2008 – Jul 2010

Electrical Engineering and Computer Science Major

- GPA: 3.64

PROJECTS

iOS Game HelloNinja based on Cocos2d-x Jan 2015 - current

- Using Cocos2d-x game engine to create iOS Game: [code](#) | [Game video](#)

iOS Game Hard Edition 2048 Mar 2015 – Apr 2015

- Change the basic game logic from the original 2048 game and make the game harder: [code](#)

iOS Game Easy Edition Flappybird Apr 2015

- Change the basic game logic from the original FlappyBird game, using Swift: [code](#)

LOADng Networking Protocol based on Contiki Operating System

- Using C programming to set up LOADng Networking Protocol and improve the connection work efficiency: [link](#)

WORK EXPERIENCE

Shanghai Typrotech Company, Shanghai, China May 2013 – Aug 2013

- Using HTML5/CSS3 and JavaScript to set up company website: <http://www.tjty.com.cn/>

North Carolina State University, Raleigh, NC May 2011 – May 2013

Research Assistant, Department of Physics, Sept 2011-present

- Research on GPS signals under Dr. Hans Hallen
- Conduct data measurement using USRP signal boxes
- Write signal processing programs in MATLAB and Python

Research Assistant, Department of Electrical and Computer Engineering, May-Sept 2011

- Develop Python-based codes in Unix environment for simulation of optical resonator and antenna for Dr. Weidong Zhang
- Wrote graphical user interface for optimization

HSBC, Shanghai, China Jan 2009 – Mar 2010

Web Developer Intern, Consumer Credit and Risk Department (CCR)

- Using HTML/CSS/JavaScript to set up HSBC CCR webpage
- Upgrade CCR department computers local network connection into wireless connection