

Xiang Li

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Education

Master of Science in Electrical Engineering(Circuits & Embedded System)
University of California, Los Angeles(UCLA)

09/2012 – 03/2014

Bachelor of Science in Electrical Engineering
Zhejiang University, Hangzhou, P.R.China

09/2008 – 06/2012

Experience

Software intern at Silvus Technologies

03/2013 – Present

Wrote cgi-bin scripts for web interface with Javascript, python, shell scripts

Wrote API at backend for communication with web interface

Implement gps functions with open sources(openstreet map, google api, openlayers)

Quality Assurance with selenium

Created Auto web test framework for web interface with selenium

write python test cases for different Browsers on different platforms(Chrome, Firefox, IE, Android)

Web crawler program

Wrote Java web crawler to connect the website get DOM

Implemented jsoup library as HTML parser for needed information

Android app development

Created Android app for realtime display and control

Designed user interface, implemented bluetooth module

Course Projects

Wireless oxygenation monitor system

01/2013 – 04/2013

Built a embedded system consists of optical sensor, mbed, bluetooth module and android phone

Developed signal processing code on mbed

Sprite Game Display Engine Design

09/2012 – 12/2012

Programmed the display engine program with verilog

Tested the verilog code and Passed testbench

Finished logic synthesis and physics synthesis

RF-based People Motion Detection

09/2012 – 12/2012

Programmed Emitter and detector code on 2 arduino platforms with Xbee module

Tested accuracy and improved the algorithm, and built a beta system for people motion detection

Skills

Java, Javascript, Python, shell script, C/C++, Verilog, Matlab

Web development(Php, Javascript, HTML, CSS, jQuery), Node.js, Bootstrap

Linux shell programming, Android development

Test automation framework(selenium)