Shanna Chang (Tien-Lung, Chang)

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Education:

- **Oregon State University**, Corvallis, OR   Sep / 2014 - Jun / 2017(expected date)
  Master of Engineering Major in Computer Science GPA 3.65
  Minor in Statistic
- Fu Jen Catholic University (FJU), Taipei, Taiwan   Sep / 2009 - Jun / 2013
  Bachelor of Science in Electrical Engineering

Experience:

QuackHack (Hackerthon)   Jan / 2016
- Using Unity3D with C# to make a web game.

A SYSFS Interface to the VMCS Project   Dec / 2015
- The purpose for this project is to export the control variable in VMCS and making change by sysfs interface.
- Using C to develop a sysfs interface to the VMCS with CentOS and kernel 4.1.5 on MinnowBoard.

Unix process creation and control Project   Mar / 2015
- Implement program of the process control in FIFO, Socket, Pipes in C.
- Work on concurrency problem by using the OS concept such as thread in C.

MStar Semiconductor (Media Tek), Taiwan - **TV software Testing Engineer**   Aug / 2013 - Aug / 2014
- Toshiba and GoogleTV project: I mainly tested television software, maintained system stability and quality, report the issue and communicate with our customer. The company that I cooperate include: Netflix, DirectTV.
- Toshiba project: I was using RVU test with Linux operating systems and Tera term open source terminal connection tools for DLNA testing. I also write auto test script with development language C/C++.

A Natural Augmented Reality Dressing Room with Kinect Project   Dec / 2012
- The project can be divided into: Hand Gesture, Body Segmentation and Human User Interface.
- Using C and C++ with open source OpenNI and OpenCV to develop the project.
- The project is base on the concept of image processing and intelligence system.

Skill:

- Virtual Dressing Room Project: C, C++, OpenNI, OpenCV
- Game Design: Unity3D, C#
- Unix I/O: Python, C
- Source Code Management System: Git
- Web development: html, CSS
- Database: Python, SQL
- iOS APP: Swift
- Statistic: R
- Machine Learning: Matlab

Honors & Awards:

- Department of Electrical Engineering, FJU Project Competition - Award in Honorable Mention   Dec / 2012
  Project Topic "A Natural Augmented Reality Dressing Room with Kinect"
- Mstar Semiconductor Short Term Reward - Contribute on DLNA RVU test   Feb / 2014
- Mstar Semiconductor Short Term Reward - Contribute on Toshiba project   Mar / 2014

Certificate:

- Using Python to Access Web Data (University of Michigan on Coursera)   Nov / 2015
- Using Database with Python (University of Michigan on Coursera)   Jan / 2016
- Machine Learning (Stanford University on Coursera)   Jan / 2016