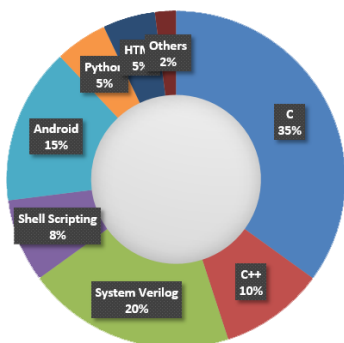


# Changxu “Chauncey” Yan

Address:  
991 SW 15<sup>th</sup> St,  
Corvallis, OR  
97333

Cellphone:  
(971) 678-2702



Email:  
Yanc  
@oregonstate.edu

Visit me at my  
website:  
[supacyan.github.io](http://supacyan.github.io)

## Objective

Targeting an Internship or Entry-Level Opportunity in embedded systems design, testing and VLSI/FPGA design, layout. Available for software development engineering jobs.

## Education

Oregon State University  
Bachelor of Science, Electrical & Computer Engineering  
Minor: Computer Science  
Bilingual: fluent in Chinese and English in speaking, reading, and writing  
Anticipated Graduation: March 2017

## Courses Completed:

VLSI System Design(FPGA), Energy-Efficient VLSI Design, Microcontrollers System Design, Computer Architecture, Assembly Language Programming, Multimedia Systems, Electronic Circuits, Signal and system, Operating Systems, Computer Networking, Senior Project.

## Electrical Engineering Skills

- VLSI Layout with Static Free Electric
- FPGA System Verilog with Quartus II
- PCB Layout with Eagle CAD
- Microcontroller Programming
- SPICEs, SMT Soldering

## Computer Science Skills

- CS: C/C++, Android Developing, Java
- Shell Scripting, Python, Perl
- HTML/CSS Website Design
- C#, MySQL Database
- Matlab, 3D Modeling

## Relevant Experience

**MECOP internship at Welch Allyn, Inc.** Jun. 2015 to Dec. 2015  
R&D department Computer Engineer Intern

- Quick prototyping on several exploration projects using uC/Arduino
- Microcontroller application and programming in Java on PC and Android

**MECOP internship at Mentor Graphics Corp** Apr. 2014 to Sep. 2014  
Caliber PEX team Software Testing Intern

- Worked on testing Caliber software and database management
- Linux software development using shell script and Perl

**Projects & Prototyping** Dec. 2013 to Present

- Portable Bluetooth audio amplifier, Android Bluetooth voltmeter with FPGA
- VLSI 4-bit multiplier and adder using static free Electric
- Senior Project: Software define radio frequency receiver for Analog Device, Inc.
- PCB design and layout for Senior Project, Electronics II and other projects
- Quadcopter building, tuning, aerial shooting
- Wastewater treatment plant gas data logger and Arduino controlling system
- Door lock automation with Arduino, Raspberry Pi and Android application.

**Computer Science Teaching Assistant** Oct. 2013 to Apr. 2014

- Taught students in Python 3 and C++ during lab sections for half year.

## Volunteering

President of Oregon State University Badminton Club Sep. 2012 to Apr. 2014  
FTC “Ring It Up” Robotic Tournament field operator Feb. 2013  
Professional Photo Editor at Youcan LLC., China Jan. 2011 to Aug. 2011

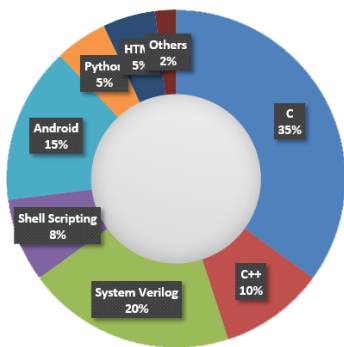
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Available for hardware development engineering jobs.

## Education

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Minor: Computer Science  
Bilingual: fluent in Chinese and English in speaking, reading, and writing  
Anticipated Graduation: March 2017

## Courses Completed:

Operating Systems I/II (C), Assembly Language Programming, Computer Networking, Computer Introduction (C++), VLSI System Design (System Verilog), Energy-Efficient VLSI Design, Microcontrollers System Design (C), Computer Architecture, Multimedia Systems (Linux), Electronic Circuits, Signal and system, Senior Project.

## Computer Science Skills

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- Shell Scripting, Python, Perl
- HTML/CSS Website Design
- C#, MySQL Database
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