# ZEYU ZHAO

E-mail: i@zzeyu.com

Mobile Phone: (+1) 778.554.1277

Website: http://zzeyu.com

## SUMMARY OF SKILLS

- Solid programming skills in *C/C++* honed from three years' project and work experience
- Two years' working knowledge of *PHP, HTML, CSS, JavaScript, MySQL and Python*
- Proficient in *Object Oriented Programming* using *Visual Studio* or in *Linux*
- Advanced knowledge in *TCP/IP architecture* and project experience in *network programming*
- Strong background in *algorithms* and *mathematics*
- Four years' experience in using *Linux* (including *ArchLinux*, *CentOS* and *Ubuntu*)

## TECHNICAL WORK EXPERIENCE

**Kernel Developer Intern**                                                        Sep. 2015 – Dec. 2015

*Arista Network, Vancouver, Canada*

- Upgrade EOS to Linux kernel 3.18 based: adapt, refresh or rewrite Arista-specified kernel patches to make them compatible with Linux kernel 3.18
- Solely responsible for upgrading iproute package and the corresponding AutoTest files to match kernel
- Optimize Kdump parameters in Arora to make memory dump at least 20 times faster on kernel crash

**Research Assistant**                                                                Jan. 2015 – Present

*Computational Logic Lab, SFU (Canada) with Prof. Oliver Schulte*

- Analyze ice hockey games based on Markov model. Calculate the possibility that a given action might lead to a goal
- Find outlier teams and players with Bayes Net
- Publication: *What is the Value of an Action in Ice Hockey? Q-Learning for the NHL* (*Oliver Schulte, **Zeyu Zhao** and Kurt Routley* **MLSA2015**)

## PROJECTS & CONTESTS

**Real Time Hand Gesture Recognition** (*Term Project for Computer Vision Course,* C++*)*          Mar. – Apr. 2015
- Find face region using Haar-like transform to build skin color model
- Find finger gaps by recognizing convexity defects and then find fingertips by local features

**Pipeline CPU on FPGA** (*Term Project for Computer Organization Course*)                    Mar – Jun 2014
- A simple five-stage pipeline CPU with basic MIPS instruction set. Works on FPGA board

**Active GitHub User with 550+ Stars in Profile:** *https://github.com/zeruniverse* (*Jeffery Zhao*)     Since Jun. 2013

17th Place in ACM/ICPC North America Pacific Region                                      2014

5th Place in SFU Winter Programming Contest                                             2015

## EDUCATION BACKGROUND

**Simon Fraser University, Bachelor of Science in Computing Science**                     2014 - Present
- Overall GPA: 4.23 / 4.33 (A: 4.0) **President's Honor Roll**
- Minor: Mathematics

**Zhejiang University, Bachelor of Engineering in Computer Science and Technology**        2012 - Present
- Overall GPA: 3.9 / 4.0 (A: 4.0) **National Scholarship of P.R.China (Top 2%)**