ZEYU ZHAO

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GitHub.com/zeruniverse

SUMMARY OF SKILLS

- Four years' experience in using **Linux** (including ArchLinux, CentOS and Ubuntu)
- Solid programming skills in **C/C++** honed from three years' project and work experience
- Strong background in **algorithms** and **mathematics**
- Working experience on source management tools like **Git** and **SVN** and typesetting system LaTeX
- Two years' working knowledge of **PHP**, **HTML**, **CSS**, **JavaScript**, **MySQL**, **MATLAB** and **Python**
- Research experience on **computer vision**, **machine learning** and **data mining**

WORK EXPERIENCE

Research Assistant   Jan. 2016 - Present
SFU Vision and Media Lab, *Burnaby, Canada*

- Researched in facial expression recognition

Software Developer Intern   Sept. 2015 – Dec. 2015
Arista Networks Inc., *Burnaby, Canada*

- Worked on EOS Kernel, which is based on Linux Kernel

Research Assistant   Jan. 2015 – Present
SFU Computational Logic Lab, *Burnaby, Canada*

- Researched in hockey game analysis based on Markov model

EDUCATION BACKGROUND

Simon Fraser University, BSc in Computer Science   2014 - Present

- Overall GPA: 4.23 / 4.33 (A: 4.0)

Zhejiang University, BEng in Computer Science and Technology   2012 - Present

- Overall GPA: 3.9 / 4.0 (A: 4.0)

PUBLICATIONS AND PATENTS

- (In Review) **Facial Expression Recognition Based on Local Feature Fusion .** *IEEE Conference on Automatic Face and Gesture Recognition (FG), 2017.* **Z. Zhao**, H. Ren and Z.N. Li
- (Abstract in Review) **How to trade a player: Clustering and Ranking NHL Players.** *MIT Sloan Sports Analytics Conference 2017.* O. Schulte, **Z. Zhao**, M. Javan and P. Desaulnier
- (Accepted) **A Markov Game Model for Valuing Actions, Locations, and Team Performance in Ice Hockey.** *Data Mining and Knowledge Discovery.* O. Schulte, M. Khademi, S. Gholami, **Z. Zhao**, M. Javan and P. Desaulnier
- US Patent: **SYSTEM AND METHOD FOR EVALUATING TEAM GAME ACTIVITIES.** O. Schulte, S. Gholami, **Z. Zhao**, M. Javan and P. Desaulnier
- **What is the Value of an Action in Ice Hockey? Q-Learning for the NHL.** *Machine Learning and Data Mining for Sports Analytics - ECML/PKDD Workshop, 2015.* O. Schulte, **Z. Zhao** and K. Routley

SELECTED HONORS AND AWARDS

- **Simon Fraser University President's Honor Roll**
- **National Scholarship of P.R.China (For top 2% students in Zhejiang University)**
- **Zhejiang University Academic Excellence Scholarship, First-class**
- 17th Place in ACM/ICPC Programming Contest, North America Pacific Region
- Simon Fraser University Dual-Degree-Program Entrance Scholarship, First class
- 14th Place in Zhejiang University Mathematical Modeling contest
- Zhejiang University Student Leadership Award (in recognition of my work in student union)