

Kaiyu Hou

(+86) 152-9196-7855

kaiyhou@gmail.com

www.kyhou.com

Education

- **Master Student in Computer Science** **Xi'an Jiaotong University** 2014 – Present
 Rank: 1st / 89 **GPA:** 3.81 / 4.0 **Average:** 91.7
 Prof. Chengchen Hu Area: Software Defined Networking (SDN) (Feb 2016 – Present)
 Prof. [Qinbao Song](#) Area: Unsupervised Feature Selection (Sep 2014 – Oct 2015)
- **B.E. in Software Engineering** **Xi'an Jiaotong University** 2010 – 2014
 Rank: 1st / 78 **GPA:** 3.94 / 4.0 **Average:** 92.4 (in Junior and Senior year)

Awards

- **Bronze Medal** ACM-ICPC Asia Regional Contest 2012, 2013, 2014
- **Silver Medal** ACM-ICPC China Province Contest, Chengdu 2013
- **Meritorious Winner** Mathematical Contest In Model 2013

Submitted to SOSR

- Chengchen Hu*, **Kaiyu Hou** et. al., *SoftRing: Mitigating the Table-Miss Overhead of Software Defined Networking*, in Symposium on SDN Research (SOSR) 2017, submitted
 - Proposed a **routing policy** to reduce the control channel bandwidth consumption up to 80%
 - Implemented in **Floodlight** controller under **OpenFlow** and evaluated in **Open vSwitch** on real trace
 - Drafted and organized the whole paper

Experience

- **Teaching Assistant (TA)** Computer Programming (C++) Sep 2016 – Dec 2016
 - Designed Online Judge programming quizzes, tutored in training courses
- **Prediction System** Alibaba Tianchi Competition, Top 3% in 7186 Apr 2015 – Jun 2015
 - Built a Logistic Regression model with Feature Selection under one month Taobao trading data
 - To predict the trading data on the first day of next month, by **R**
- **Research Assistant (RA)** Unsupervised Feature Selection (UFS) Sep 2014 – Oct 2015
 - Proposed an UFS algorithm for unlabeled data sets in **Weka** with higher performance
 - Evaluated between algorithms from 2002 to 2014 by real world data sets and statistical tests
- **Intern Game Developer** JoyYou, Shanghai, China Feb 2014 – Apr 2014
 - Studied **Cocos2d-HTML5** and made a game similar to Arkanoid and a Flight Fight game
 - Studied **Unity3d** and made a demo game in **Android** to teach infants learning words
- **Official Web Site** Chungying College, Xi'an Jiaotong University 2014
 - Developed parts of college's official web site by **Java EE** and **Bootstrap** as Chief Programmer
- **"17 Writing" Online English Writing System** 2013
 - Designed and developed an enterprise project with **McGraw-Hill Education** as Project Manager

Honor

- **Excellent Student Award** Xi'an Jiaotong University 2011, 2012, 2013, 2015, 2016
- **Graduate with Honor** Xi'an Jiaotong University Jul 2014
- **Google Excellence Scholarship** Awarded to only 3 students from each of top 20 universities Jul 2013

Activities & Volunteer

- **Chairman**, the ACM-ICPC Club Xi'an Jiaotong University 2013 - 2014
- **Minister of Science and Education** Student Union, Xi'an Jiaotong University 2011 - 2012
- **Founder** and the **2nd Store Manager** of *Bingo Café*, Owned by students only 2010 - 2014