Xie, Minghao

phone: (+86) 13575395912
e-mail: mihxie@outlook.com

Research Interests

Software-defined Networking, Data Center Networking, Peer-to-Peer Systems, Network Programming, Distributed Systems

Education

Sichuan University, Chengdu

B.Eng. Computer Science — Sep 2014 – Jul 2018

- Top-Notch Talent, 15 out of more than 400 candidates
- Weighted Average Mark: 91.2/100 (2%)

Research Experience

Research Assistant, Sichuan University — Feb – Jun 2017

Supervisor: Guanghong Lv, Professor

- Composed the paper "Survey in Software-defined networking" (under submission)
- Designed and tested the experiments of ICN on Mini-NDN

Honors & Awards

Student Awards — Sichuan University

- Distinguished Undergraduate Student — Nov 2017
- Top-Notch Talent Scholarship (4%) — Nov 2015/2016/2017
- Integrated first-class Scholarship (2%) — Oct 2016
- Integrated third-class Scholarship — Sep 2015/2017

Student Awards — Ministry of Education, China

- National Scholarship (1.5%) — Nov 2016
- Third Prize of China Students Service Outsourcing Innovation and Entrepreneurship Competition (3%) — Oct 2016

Travel Awards — College of Computer Science, Sichuan University

- 2015 China National Computer Congress, Hefei, Anhui — Oct 2015
- Workshops in Hong Kong Polytechnic University, Hongkong — Jul 2015

Selected Projects

Explore A SDN-based In-Network Caching Technique in ICN (PI) — Apr 2017 – Present

Supervisor: Guanghong Lv, Funding: Top-Notch Talent Research Training Program

- Improved the performance of In-Network Caching Technique in ICN
- Took advantage of the current SDN approaches

Recloud - Hybrid Cloud Storage System (PI) Apr 2016 – Apr 2017

Supervisor: Guanghong Lv, Funding: Top-Notch Talent Research Training Program

- Built a serverless hybrid cloud storage system written in Python

- Coordinated the architecture design and the merge of heterogeneous storage
- Developed the authentication module

SafeMove - Safety Data Visualization Platform Apr – Nov 2016
Supervisor: Lei Duan, Funding: Undertgraduate Training Programs for Innovation and Entrepreneurship (Province-Level)
- Programmed a low coupling and high throughput back-end systems
- Supported 7*24 services and fast fail-over ability

Wireless Camera based Real-time Pedestrian Apr 2015 – Apr 2016
Counting System (PI)
Supervisor: Dezhong Peng, Funding: Undergraduate Training Programs for Innovation and Entrepreneurship (School-Level)
- Built the real-time system by using OpenCV & QT
- Designed the low coupling architecture
- Boosted the recognizing & detecting speed by 25 times

Exchanges

Zhejiang University, Zhejiang Jul – Aug 2016
- Participated in two-week course – Introduction to Computer System, instructed by Professor **Yale Patt**
- Got A+ for each assembly-language-level problem set

Hong Kong Polytechnic University, Hongkong Jul 2015
- Accomplished data sructure course within one week
- Presented a theme talk on workshop about research methods

Technical Competence

Language: Python, C/C++, Java, Prolog, HTML/CSS, Shell Script, matlab
Library: Django, twisted, OpenCV, qt5
DevOps: Git, Docker, nginx, UML
Databases: Postpres
Networking: Mininet, Wireshark
Editing: Vim, LaTex

Others

Github page: My Github
Hobbies: Jogging, reading, playing basketball/badminton/table tennis, swimming, sketching (B Level), etc.
Love building systems, devote to things of interest, hate anything with low-efficiency