Leiyu Zhao

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EDUCATION

Carnegie Mellon University, School of Computer Science *Aug. 2016 to Dec. 2017*
Master of Computational Data Science (MCDS, formerly VLIS) - Systems Track

Tsinghua University *Aug. 2012 to July 2016*
Bachelor of Engineering (B.Eng.), Computer Software Engineering
Cumulative GPA: **94**/100 (**3.94**/4.00), ranking **2**/63   Major GPA: **97**/100 (**4.00**/4.00), ranking **1**/63

EXPERIENCE

Microsoft Operating Systems Group China (OSGC, ARD) *Mar. 2015 to July 2015*
Software Developer Intern, C#/WPF/.NET/UWP
Developed built-in universal apps for Windows 10 Chinese Market Release, like *Nearby Numbers*
Developed non-built-in universal apps for Windows 10, like *Microsoft How-old* and *Microsoft Couplet*

Cloud Computing Group, Institute of Trustworthy Networks and Systems, Tsinghua *June 2015 to July 2016*
Research Assistant, Golang/Python/OpenStack/HDFS/Ceph
Developed THUCloud Storage experimental platform
Designed & implemented H2Cloud to host filesystem in OpenStack Swift
Submitted a paper to IEEE INFOCOM'17 (currently pending)

PROJECTS (SELECTED)

H2Cloud *June 2015 to July 2016*
Cloud storage system supporting full-fledged filesystem based on a single object storage cloud
Faster than OpenStack Swift in filesystem operations, while more reliable than Dropbox in filesystem storage

Gurgling (Web Framework for Golang) *Oct. 2015 to Present*
Light and configurable web framework with API similar to ExpressJS
Full support for HTTP1.1, HTTPS, Websocket, Cookie, Session, *etc.*;

Zijing Zhi Sheng (the Sound of Tsinghua) *Oct. 2014 to Jan. 2015*
An app to offer ticket booking service to all the stuff at Tsinghua, capable of handling 3K+ concurrent user requests
More than 21,000 users. Sell tickets for tens of 2000-participant events (Up to Oct. 2015)

Graph User Interface for UNIX *Oct. 2014 to Feb. 2015*
A graphic card driver, a USB-mouse driver and a Windows-like GUI for UNIX kernel
Set of syscalls for GUI manipulation and interaction

PUBLICATION

An Implementation of Distributed Filesystem Index and Collaborative Editing *Oct.2015*
Leiyu Zhao, Zhenhua Li, He Xiao and Tong Zhu, 2016, Patent# CN105404653A

SKILLS

Programming Languages: *Proficient in* C/Javascript/Golang; *Familiar with* Java/C#/C++/Python/Haskell/Asm
Algorithms & Data Structures, **Cloud Computing:** OpenStack/AWS, **Distributed Systems:** MapReduce/Apache Spark
Web Development: Frontend/Backend, **Database:** MySQL, MongoDB

HONORS & AWARDS (SELECTED)

Outstanding Graduate Student Award for 2016, Beijing *July 2016*
Top 2% among all the graduate students in Beijing Province

Excellent Works Award, 2014 Intel Mobile Computing Innovation Contest *Oct. 2014*
Designing a wearable computing device, using infrared camera to recognize gestures for interaction

"12.9" Scholarship, Tsinghua University Oct. 2015
Top 1% among 3,500 students in the grade of 2016

Bronze Medal in National Olympiad in Informatics *Aug. 2011*
Top competition in algorithms & data structure in China

Gold Medal in 5th Asia-Pacific Informatics Olympiad *May 2011*
International competition in algorithms & data structure