Resume - Leiyu ZHAO

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EDUCATION

Carnegie Mellon University
Master of Computational Data Science (MCDS) - Systems Track, 2016 - 2017
Language Technologies Institute, School of Computer Science

Tsinghua University
Bachelor of Engineering (B.Eng.), Computer Software Engineering, 2012 - 2016
- GPA: **94**/100 (**3.94**/4.00), ranking **2**/63
- GPA in Jr. & Sr.: **97**/100 (**4.00**/4.00), ranking **1**/63

INDUSTRY EXPERIENCE

Microsoft Operating System Group China (OSGC, ARD)
Software Developer Intern, March 2015 – July 2015
- Assisted developing built-in universal apps for Windows 10, like *Nearby Numbers*, which is assembled in the Windows 10 Chinese Market Release
- Developed non-built-in universal apps for Windows 10, like *Microsoft How-old* and *Microsoft Couplet*

RESEARCH EXPERIENCE

Institute of Trustworthy Networks and Systems, Tsinghua University
Research Assistant at Cloud Computing Group, June 2015 – July 2016
- Assisted developing THUCloud Storage experimental platform
- Designed H2Cloud, to host file system in object storage cloud like OpenStack Swift

PATENT

An Implementation of Distributed Filesystem Index and Collaborative Editing
Published in March 2016 (CN 105404653 A)

HONORS & AWARDS

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

Outstanding Graduate Student Award for 2016, Tsinghua University
July 2016, top 5% among all the graduate students at Tsinghua University

Excellent Works Award, 2014 Intel Mobile Computing Innovation Contest
October 2014, held in Shanghai, China

"12.9" Scholarship, Tsinghua University
October 2015, highest honor in the grade

Scholarship for Academic Excellence, Tsinghua University
December 2014, Sponsored by Beijing Lexiaoyao Company

Scholarship for Overall Excellence, Tsinghua University
December 2013, Sponsored by Mr.Zhang Mingwei

Bronze Medal in National Olympiad in Informatics
August 2011, held in Changchun, China

Gold Medal in 5th Asia-Pacific Informatics Olympiad
May 2011, held in Beijing, China

PERSONAL PROJECTS

Zijing Zhi Sheng (the Sound of Tsinghua)
Developed from October 2014 to January 2015
- A released product, an interaction platform based on Wechat offering ticket booking and information service to all the stuff at Tsinghua
- More than 21,000 users. Distributed tickets to tens of 2000-participant events (up to Oct. 2015)

Rousey Wristband Mouse
Developed from March 2014 to June 2016
- A wristband-like device which takes advantage of infrared camera and recognizes gestures to provide an invisible mouse as an input to PC/Tablet/Ultrabook to combine accuracy with portability
- Highly commented by engineers from Intel, thus winning Excellent Works in Intel Mobile Computing Innovation Contest

Graph User Interface for UNIX
Developed from October 2014 to February 2015
- A Graphic card driver, a USB-mouse driver and a Windows-like GUI for UNIX kernel
- A set of syscalls for GUI manipulation and interaction.

Js2Jv (Javascript-to-Java Translator, Javascript Interpreter)
Developed from May 2015 to July 2015
- An all-round runtime for Javascript to translate JS codes directly into Java
- Works as a simple JS interpreter assembled with ANTLR

Wireless Sensor Network Based on ZigBee
Developed from October 2014 to December 2015
- An ad-hoc cluster consisting of self-made nodes to collect data from distributed sensors for analysis
- With data loss rate lower than 2%

Annotation Module for Smartdental
Developed from September 2014 to December 2014
- Smartdental is a product developed by Tsinghua University School of Software and Peking University School of Stomatology. Annotation module is an addition supporting manuscript annotations on the pathological pictures, which is under further review before release

STANDARDIZED TEST

GRE revised General Test
- **332** (Verbal: **162**, Quantitative: **170**, AW: **3.0**)

TOEFL iBT
- **108** (Reading: **30**, Listening: **27**, Speaking: **24**, Writing: **27**)