

# Resume - Leiyu ZHAO

Email: leiyuz@cs.cmu.edu  
Phone: (+1) 412 482 0442  
<https://academic.levy.at/en-us/>

---

## 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*

- 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*

## 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

## PUBLICATIONS

### **An Implementation of Distributed Filesystem Index and Collaborative Editing**

*Leiyu Zhao, Zhenhua Li, He Xiao and Tong Zhu, 2016, Patent# CN105404653A*

## 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**

### **Gurgling (Web Framework for Golang)**

*Developed from October 2015 to Present*

- Light and configurable web framework with API similar to ExpressJS
- Full support for HTTP1.1, HTTPS, Websocket, etc.; Remains updating

### **Zijing Zhi Sheng (the Sound of Tsinghua)**

*Developed from October 2014 to January 2015*

- Interaction platform based on Wechat to offer ticket booking 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*

- Wristband-like device using infrared camera to recognize gestures and provide an invisible mouse
- Combines accuracy with portability, suitable to be input device for ultrabook and tablet

### **Graph User Interface for UNIX**

*Developed from October 2014 to February 2015*

- Graphic card driver, a USB-mouse driver and a Windows-like GUI for UNIX kernel
- Set of syscalls for GUI manipulation and interaction

### **Js2Jv (Javascript-to-Java Translator, Javascript Interpreter)**

*Developed from May 2015 to July 2015*

- Full-featured 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 distributed nodes to collect data from distributed sensors for analysis
- Data loss rate lower than 2%

### **Annotation Module for Smartdental**

*Developed from September 2014 to December 2014*

- Additional module supporting manuscript annotations on the pathological pictures
- Assembled in Smartdental and released by School of Stomatology, Peking University

## **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**)