

# Leiyu Zhao

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<https://academic.levy.at/en-us/>

<https://github.com/levythu>

## EDUCATION

### Carnegie Mellon University, School of Computer Science

Aug. 2016 to Dec. 2017

Master of Computational Data Science (MCDS, formerly VLIS) - Systems Track

Relative Courses: Intro. to Computer Systems, Cloud Computing, Distributed Systems, Storage Systems

### 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

Sept. 2015 to Apr. 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

### Gurpling (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

A WeChat 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:** HTML/CSS/Bootstrap/Nginx/ExpressJS/Flask/ASP.NET; **Database:** MySQL/MongoDB/SQL Server;

## 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