

Chun-Feng Wu

Curriculum Vitae

PERSONAL DETAILS

Phone (886) 910-082417
Mail cfwu@iis.sinica.edu.tw
Program Computer Science & Information Engineering

EDUCATION

PhD. Department of CSIE 2016-TBD
GPA: 4.15/4.30

National Taiwan University, Taiwan
Advisor: Tei-Wei Kuo & Yuan-Hao Chang
Thesis: TBD

MSc. Department of Computer Science 2014-2016
GPA: 3.90/4.30

National Tsing Hua University, Taiwan
Advisor: Yeh-Ching Chung
Thesis: Hybrid Mechanisms to Improve Write Scenarios for Cloud Storage Services

BSc. Department of CSIE 2010-2014
GPA: 3.72/4.0

National Central University, Taiwan
Advisor: Li-Der Chou

PUBLICATIONS

1. **Chun-Feng Wu**, Ming-Chang Yang, Yuan-Hao Chang, and Tei-Wei Kuo, "Hot-Spot Suppression for Resource-Constrained Image Recognition Devices with Non-Volatile Memory", ACM/IEEE International Conference on Embedded Software (EMSOFT), Torino, Italy, Sep. 30 - Oct. 5, 2018. (Journal Track, Integrated with IEEE TCAD) (Top Conference)
2. **Chun-Feng Wu**, Ming-Chang Yang, and Yuan-Hao Chang, "Improving Runtime Performance of Deduplication System with Host-Managed SMR Storage Drives", ACM/IEEE Design Automation Conference (DAC), San Francisco, USA, Jun. 24-28, 2018. (Top Conference)
3. **Chun-Feng Wu**, Tse-Chuan Hsu, Hongji Yang, and Yeh-Ching Chung, "File Placement Mechanisms for Improving Write Throughputs of Cloud Storage Services Based on Ceph and HDFS", Proceedings of IEEE International Conference on Applied System Innovation (ICASI), Sapporo, Japan, May 2017. (The First Prize Paper Award)
4. Su-Shien Ho, **Chun-Feng Wu**, Jiazheng Zhou, Wenguang Chen, Ching-Hsien Hsu, Hung-Chang Hsiao, and Yeh-Ching Chung. "Distributed Metaserver Mechanism and Recovery Mechanism Support in Quantcast File System", IEEE Computer Software and Applications Conference (COMPSAC), pages 758 - 763, Taichung, Taiwan, July. 2015.

EXPERIENCES

Research Assistant

2017-TBD

EAST Lab, Advisor: Yuan-Hao Chang

Conduct researches, experiments, or implementations related to computer systems such as storage systems, memory systems, embedded systems, computer architecture, energy-efficient designs, multi-core/many-core systems, and neuromorphic computing.

SSBox(NebulaBox)

2014-2016

Sytem Software Laboratory, Advisor: Yeh-Ching Chung

This project aims to provide a private cloud storage for users and our team designs a distributed storage system with high accessibility and reliability, SSBox. We provide PaaS layer services for programmers to access our SSBox by RESTful API. In addition, SSBox could endure hundred of thousand of users to access simultaneously.

Virtual Desktop Infrastructure

2014-2015

Sytem Software Laboratory, Advisor: Yeh-Ching Chung

This project aims to provide Virtual Desktops to cost down the hardware price for schools. We apply a real-time virtual desktop based on OpenStack and Docker. Users just need a browser and stable Internet they could access different Operating System. We also design a client side by OpenStack APIs and the design makes users easier to create virtual desktops.

Traffic Signs Recognition System

2013-2014

Automotive Electronics Advanced Technology Research, Advisor: Li-Der Chou

This project aims to detect and recognize traffic signs around roads. We use EDR to get videos and we apply color pre-processing, shape classification and pattern recognition by SVM. We could get results around 500ms and the success rate is around 84%.

SKILLS

Programming Languages

C/C++, Python, Java, Objective-C, C#, Parallel Programming(MPI), VB, PHP, JavaScript

Tools

Docker, OpenStack, Hadoop, Ceph(Thesis), PostgreSQL, Redis, MongoDB

English Certification

TOEFL: 95

AWARDS

1. **Scholarship** in "Outstanding Students Conference Travel Grant" sponsored by Foundation for the Advancement of Outstanding Scholarship(傑出人才發展基金會), 2018.
2. **Scholarship** in "The international conference scholarship for young researchers" sponsored by Academia Sinica, 2018.
3. **Top 10%, A-** in "Collegiate Programming Examination" held by ACM-ICPC Contest Council for Taiwan, 2013.
4. **Best Debater Award** in debate competition on "The future of virtual machine software: Xen vs VMware" held in Professor Li-Der Chou's course of "Operating Systems", Department of Computer Science, National Central University Taiwan, 2013.
5. **Gold Award** in debate competition on "The future of virtual machine software: Xen vs VMware" held in Professor Li-Der Chou's course of "Operating Systems", Department of Computer Science, National Central University Taiwan, 2013.