RONG CHEN

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EDUCATION

Shanghai Jiao Tong University (SJTU), Shanghai, China   2015 -- expected March 2018
M.E. in IPADS(supervisor: Haibo Chen) *GPA* 2.79/3.3, rank 2 / 88

Shanghai Jiao Tong University (SJTU), Shanghai, China   2011 -- 2015
B.E. in Software Engineering *GPA* 3.4/4.3(84.4/100), rank 25 / 108

EXPERIENCE

High Performance Virtual Machine Replication   Nov. 2016 -- Present

This project aims at reducing the occupation of slave VM resources while retaining overall performance in VM replication system.
Keyword: VM Replication, KVM, QEMU, Scheduler

Xen Scalability Project for HUAWEI   Mar. 2016 -- Nov. 2016

This project aims at optimizing the inter-processor interrupt(IPI) routine and the credit scheduler of Xen hypervisor. We get over 80% optimum ratio in the final evaluation.
Keyword: Xen Hypervisor, IPI, Credit Scheduler, Locking

VPM: Virtualizing Persistent Memory   Oct. 2015 -- May. 2016

This work presents a study on the guest virtual machine as well as the underlying hypervisor support to virtualize persistent memory (PM). The research paper has been accepted by SoCC'16.
Keyword: Persistent Memory, Virtualization, Para-virtualization

Cat Care   Nov. 2016 -- Nov. 2016

Microsoft hackthon first prize awarded project. It helps maters do better to care for their cats.
Keyword: Andriod, Kinect

Zizai Medical Application   Mar. 2015 -- Oct. 2015

Startup project. It helps the doctors and patients make reservations and conversations online.
Keyword: iOS, IM

iSee   Oct. 2013 -- Mar. 2014

This project uses map SDK and Metaio augmented reality(AR) SDK to present and share the art.
Keyword: Android, LBS

INTERNSHIP

Morgan Stanley   July. 2014 -- Sep. 2014
Memory computing is becoming more and more popular recently. During this period, I make a study of distributed system Hazelcast and add some feature for it.

PUBLICATIONS

[SoCC'16] A Case for Virtualizing Persistent Memory. Liang Liang, **Rong Chen**, Haibo Chen, Yubin Xia, Haibing Guan and Binyu Zang. 2016 ACM Symposium on Cloud Computing (**Presenter of the conference**).

SKILLS

- Programming Languages: C > C++ == Java > Python
- Platform: Linux
- Development: Vim, Git