

# Keren Jin

## SCHOOL ADDRESS

Department of Computer Science  
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## HOME ADDRESS

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## EDUCATION

- ◇ **Ph.D Student, Computer Science**, expected July 2012  
University of California, Santa Cruz  
Academic Advisor: Professor Ethan L. Miller
- ◇ **Bachelor of Computer Science and Technology**, July 2007  
South China University of Technology, P.R. China  
Thesis: *The Distributed File Transfer System with Recycle Bin mode*

## INTERESTS

Archival storage, virtual machine, data deduplication, distributed systems

## PUBLICATIONS

- ◇ Keren Jin, Ethan L. Miller: The Effectiveness of Deduplication on Virtual Machine Disk Images, *Processings in SYSTOR 2009*, May 2009.

## POSTER PRESENTATIONS

- ◇ Keren Jin, Ethan L. Miller, "Deduplication on Virtual Machine Disk Images", 2008 SSRC Annual Retreat, May 20, 2008.

## RESEARCH EXPERIENCES

- ◇ **Performance study on VMware Virtual Storage Appliance**  
2009 Summer internship in Symantec Corp. Mountain View, work with the VxVM team  
Use various benchmark tools to study the performance of iSCSI, SAN and NFS implementations of VSA in different configurations
- ◇ **Deduplication on Virtual Machine Disk Images**  
Work with professor Ethan L. Miller, University of California, Santa Cruz  
Efficient real-time data compression for virtual machines

## COMPUTER SKILLS

- ◇ Proficient programming skills and experiences in ANSI C, C++, Python, Java and Javascript.
- ◇ Knowledge and experience with Windows and POSIX systems as well as Bash shell script.
- ◇ Experience of theory and partial implementation of relational database systems, SQL queries, relational algebra and calculus.
- ◇ Completed projects with Intel x86 Assembly, SPARC Assembly, Pascal/Delphi, .NET, BASIC, OpenGL and DirectX.

## **EMPLOYMENT HISTORY**

- ◇ **Graduate Student Researcher**, April 2008 – present  
Storage System Research Center (SSRC), University of California, Santa Cruz
- ◇ **Researcher**, June – September 2009  
Symantec Corporation, Mountain View
- ◇ **Researcher**, March – April 2007  
MatrixLife, Suzhou, China

## **JOB OBJECTIVE**

Currently none.