

# Chunzhi Su

## PRESENT ADDRESS

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## WORK EXPERIENCE

Google LLC Software Engineer  
Core Data Processing, Nov 2018 - now  
My duty involves building Google's data processing pipeline systems.

## EDUCATION

University of Texas at Austin Ph.D.  
Dept. of Computer Science, Aug, 2012 - Sep, 2018  
Advised by Prof. Lorenzo Alvisi, GPA 4/4.

Shanghai Jiao Tong University, P.R.C. Bachelor of Computer Science  
ACM Honored Class, Dept. of Computer Science, Sep, 2008 - Jun, 2012  
GPA 3.6/4, Major GPA 3.8/4, Rank 3/26.

## AREA OF INTEREST

- **Distributed Systems**

I am interested in building large-scale data processing and data storage systems.

## RESEARCH EXPERIENCE

### **Laboratory for Advanced Systems Research, UT Austin, Aug, 2012 - Sep, 2018**

Graduate Student and Research Assistant, advised by Prof. Lorenzo Alvisi.  
Conduct research on distributed storage systems.

### **Cornell University, Sep, 2016 - Sep, 2018**

Visiting Student (non-degree), advised by Prof. Lorenzo Alvisi.  
Conduct research on distributed storage systems.

### **Microsoft Research, Redmond, May, 2015 - Aug, 2015**

Intern, advised by Dr. Srinath Setty.  
Conduct research related to Azure Table Storage.

### **Microsoft Research, Silicon Valley, Jun, 2014 - Aug, 2014**

Intern, advised by Dr. Rama Kotla.  
Conduct research related to Azure Table Storage.

### **Max Planck Institute for Software Systems, May, 2013 - Aug, 2013**

Fellowship (Intern Student), advised by Dr. Allen Clement.  
Conduct research on research on distributed systems.

### **Microsoft Research, Asia, Jul, 2011 - Jun, 2012**

Intern, advised by Dr. Zhengping Qian.  
Conduct research on distributed stream processing systems.

### **BASICS Lab., Shanghai Jiao Tong University, Jul, 2010 - Jun, 2011**

Research Assistant.  
Conduct research on game theory.

## SERVICE

**OSDI 2020**, Artifact Evaluation Committee

**CGO 2021**, Artifact Evaluation Committee

**IEEE Transactions on Parallel and Distributed Systems**, Reviewer

## TEACHING EXPERIENCE

Teaching Assistant of the course *CS3331 Algorithms and Complexity*, 2014 Spring.

Teaching Assistant of the course *CS388R Randomized Algorithm*, 2013 Fall.

Teaching Assistant of the course *Project Workshop of Operating System*, 2011 Fall.

Teaching Assistant of the course *Project Workshop of Compiler Principles*, 2011 Spring.

Teaching Assistant of the course *C++ programming*, 2010 Fall.

## PUBLICATION

1. **Chunzhi Su**, Natacha Crooks, Cong Ding, Lorenzo Alvisi, and Chao Xie, Bringing Modular Concurrency Control to the Next Level. In *Proceedings of the 2017 ACM International Conference on Management of Data (SIGMOD 2017)*, Chicago, IL, May, 2017.
2. Srinath Setty, **Chunzhi Su**, Jacob R. Lorch, Lidong Zhou, Hao Chen, Parveen Patel, and Jinglei Ren, Realizing the Fault-Tolerance Promise of Cloud Storage Using Locks with Intent. In *Proceedings of the 12th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2016)*, Savannah, GA, November, 2016.
3. Chao Xie, **Chunzhi Su**, Cody Littlely, Lorenzo Alvisi, Manos Kapritsos, and Yang Wang, High-Performance ACID via Modular Concurrency Control. In *Proceedings of the 25th ACM Symposium on Operating Systems Principles (SOSP 2015)*, Monterey, CA, October, 2015.
4. Chao Xie, **Chunzhi Su**, Manos Kapritsos, Yang Wang, Navid Yaghmazadeh, Lorenzo Alvisi, and Prince Mahajan, Salt: Combining ACID and BASE in a Distributed Database. In *Proceedings of the 11th USENIX Symposium on Operating Systems Design and Implementation (OSDI 2014)*, Broomfield, CO, October 2014.
5. Zhengping Qian, Yong He, **Chunzhi Su**, Zhuojie Wu, Hongyu Zhu, Taizhi Zhang, Lidong Zhou, Yuan Yu and Zheng Zhang, TimeStream: Reliable Stream Computation in the Cloud, *Eurosys 2013*.
6. Li Han, **Chunzhi Su**, Linpeng Tang and Hongyang Zhang, On Strategy-proof Allocation without Payments or Priors. *WINE 2011*.

## DISSERTATION AND THESIS

1. **Chunzhi Su**, Bringing Modular Concurrency Control to the Next Level, Ph.D. Dissertation, 2018.
2. **Chunzhi Su**, Building Application-specific Key-value Databases by Exploiting Demands and Usage Patterns, Undergraduate Thesis, 2012 (Excellent Bachelor Thesis, top 1%).