

Cheng Liu

Software Engineer, System & Infrastructure

Summary

I am a software engineer at Google Search Infrastructure.

With both academia research background and industry working experience, I focus on designing and developing (distributed) systems that can handle large scale of data.

Big fan of distributed system, consensus algorithm, NoSQL database and BigData framework.

Experience

Software Engineer III at Google

October 2016 - Present

Crawl and Indexing, build large scale system and advanced algorithm to optimize crawl decision.

Software Engineer II at Google

October 2015 - September 2016 (1 year)

Crawl and Indexing, build large scale system and advanced algorithm to optimize crawl decision.

Software Engineer at LinkedIn

March 2015 - October 2015 (8 months)

Data Infrastructure

Espresso Storage Team

Espresso is the most popular NoSQL database @ LinkedIn, used by almost every important service.

<http://data.linkedin.com/projects/espresso>

<http://dl.acm.org/citation.cfm?id=2465298>

<http://www.slideshare.net/amywtang/li-espresso-sigmodtalk>

Research Assistant at Columbia University in the City of New York

January 2014 - February 2015 (1 year 2 months)

Working on Distributed System to provide general application replication technology under the supervision of Prof. Junfeng Yang.

Related Keyword: Deterministic Multithread Technology, Paxos Protocol, Asynchronous network communication, Integration Test.

Research Assistant at Tsinghua University

June 2012 - July 2013 (1 year 2 months)

Worked in Network Security Lab, focusing on applying "Sampling Smoothed Analysis" to different DFA-like structure in network packets processing, also investigated SDN.

Radio Network Tools Team Intern at Ericsson

July 2012 - October 2012 (4 months)

- Contributed in Large 2G/3G/LTE communication data visualization and management software system.
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Education

Tsinghua University

Bachelor's degree, Automation, 2008 - 2013

Activities and Societies: Student Union Of Tsinghua Univ, Chorus team Of Tsinghua Univ, 4th Global Tsinghua Berkeley Entrepreneur project member

Columbia University - Fu Foundation School of Engineering and Applied Science

Master, Computer Science, 2013 - 2014

Honors and Awards

Example of Tsinghua University Outstanding Student Leaders in 2010, MSRA Fellowship of Computer Science Department in Columbia University

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[Contact Cheng on LinkedIn](#)