

# Xiaohui Chen

Male, 28

+86 138 1179 8428

[sdqxcxh@gmail.com](mailto:sdqxcxh@gmail.com)

[www.cxx.me](http://www.cxx.me)

[chenxiaohui](https://github.com/chenxiaohui)

[chenxiaohui](https://www.linkedin.com/in/chenxiaohui)

## Education

- 2010.9–2013.6 Software School of Tsinghua University, Master of Software Engineering
- 2006.9–2010.6 Beihang University, Bachelor of Computer Science and Technology

## Working Experiences

- 2016.11–now 2012 Lab of Huawei Inc. Senior Software Engineer, Major: Distributed Database System.
- 2015.10–2016.11 Meituan Corp(China Internet Plus Company). Senior Software Engineer, Major: Distributed File System.
- 2014.12–2015.10 Sohu Inc. Senior Software Engineer, Major: Recommendation and Advertising System.
- 2013.7–2014.12 Alibaba Inc. Software Engineer. Major:Distributed Database System.

## Language Skills

- ▶ Fluent in English, skilled in documentation reading and writing.CET4(548),CET6(549),

## Awards and Grants

- 2016 Patent: Zhangshuai;ChenXiaohui;Yinyin;Likai; Data storage method and apparatus, and data recovery method and apparatus [CN106201764A]

## Personal Statement

- ▶ I'm always interested in doing research and explore new ideas. I participated in some projects and got some experience in building high performance backend system. I like sharing, have a blog and also maintain my github. I'm also a kind person and get along with others well.

## Professional Skills

- ▶ Skilled in C/C++, familiar with Distributed Algorithms, have experience in Rational Databases System and NoSQL.
- ▶ Familiar with Open Source Distributed Storage System and the implementation of some storage system like redis, memcached and leveldb etc.
- ▶ Familiar with fundamental algorithm and infrastructure of Recommendation System, have experience in Search Engine, Index and Advertising System.
- ▶ Familiar with python and some python framework link Django etc. Some of code can be found in my github.
- ▶ Familiar with Java, completed some java system and service, using frameworks like Spring.
- ▶ Familiar with Linux, have experience in server and service management.
- ▶ Fluent in SVN,GIT and other version control tool, completed some plugin of vim,sublime which can be found in my Github.

## Project Experiences at Work

- 2016.11–now **Distributed Database of Huawei Corp**  
Participated in the implementation of Huawei's Distributed Database. It's like Amazon Aurora and I add distributed transaction to the database using Paxos Commit.
- 2015.11–2016.11 **Distributed Object-based Storage System of Meituan Corp**  
It's one of the core developer of the system, which is like Amazon S3 and fully compatible with AWS S3.
- 2014.2–2014.11 **Distributed Rational Database Oceanbase1.0 (Alibaba Corp)**  
Participated in the design of Oceanbase System and implementation of 2Phase commit, Log Sync(based on Paxos). Also familiar with other module and the implementation of whole system.

- 2013.7-2014.2 **Distributed Rational Database Oceanbase 0.5 (Alibaba Corp)**  
In charge of Schema Management, RootServer Refactor, Innertable Implementaion. Oceanbase is now the core Database System of Alibaba Corporation.
- 2015.6-2015.10 **Index System of Sohu.com Inc**  
I improved and maintained the Advertising Index System of Sohu Inc. It's like Lucence but supports searching of advertisement which satisfied some boolean conditions. Using C++.
- 2015.4-2015.6 **Implement of Configuration Center using Zookeeper**  
Use Zookeeper to manage configuration, supports online change and notification. It's now used in several system of Sohu.com Inc and can be found in [link](#). Using Java.
- 2015.3-2015.4 **Sohu Advertising E&E Strategy**  
Using Strategy to show new incoming short video, and give the videos with higher CTR more Exposure(Exploit), the algorithm can be found in Yahoo UCB paper. using Java.
- 2014.11-2015.1 **Sohu News UA(User Attributes) System**  
A system to tag user using his behavior.ref: [link](#).using Java.

## Project Experiences at School

- 2013.3-2013.6 **Building Information Modeling (IFC) Compiler and Data Service**  
It can map IFC Schema to Python Language, and supports search of Pseudo Result of the parsing. using Python + MongoDB.see [link](#).
- 2011.3-2011.6 **Fits me Tourism Website** [link](#)  
venture project. I'm in charge of the design and implementation of the website, which contains groupby, crawler, and a small search engine.base on LAMP.see [link](#) for codes.
- 2009.11-2010.5 **SNS game(TreasureStory)** [link](#)  
venture project. In charge of development of its management system. The game landed on facebook at may 2010, Rank30 in Zynga, based on LAMP.

## Other Project Experiences

- vim,sublime plugin vim-config(vim configuration, [link](#)),vim-escape(mapping cscope, [link](#)),ifdef-generator(generate ifdef, [link](#)),postreview.vim(generate post-review script, [link](#)),file-list(file browser, [link](#)),AllinOneCompile(compile management plugin, [link](#)),BufItv2(buffer management plugin, [link](#)),generate-ref(sublime plugin to generate ref[link](#)) etc.
- python script Resume Generator (using tex to generate tex for resume, and this resume is also written using it)[link](#)),category(category books, [link](#)),music-category (category music, [link](#)), proxy-pool(a crawler for free proxy, [link](#)), scrawl(a crawler using pattern) etc.
- Other Projects C0 Compiler(C, [link](#)) ,Regex Matcher (C++, [link](#)) ,etc.