

# ZHUO ZHANG

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## EDUCATION

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### Tsinghua University, Department of Computer Science and Technology

*BEng in Computer Science*

*B.S. in Economics, Second Major*

· **Major GPA: 88/100;**

· Honors:

- Zhang Minghua Integrated Scholarship (20%)
- Scholarship for New Applicants (20%)

Beijing, China

08/2011 - 07/2015

09/2012 - 06/2015

### The University of Hong Kong

*Exchange Student in Computer Science Department*

Hong Kong, China

08/2013 - 12/2013

- Selected and recommended by Tsinghua University from students with excellent academic performance and comprehensive ability

## WORKING EXPERIENCE

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### China Mobile Research Institute

*IT Specialist Intern*

Beijing, China

06/2013 - 08/2013

- Designed IM protocols based on XMPP, SIP/RCS, EAS for mobile clients and received favorable comments
- Invited to give a lecture on Android architecture and development to the Product Team
- Developed a script for the team to automate work ow, saving time for other team members

### Sunshine Library Rural Digital Education Initiative

*Web Developer*

Beijing, China

03/2013 - 06/2013

- Developed a daemon for synchronizing files between six servers with Node.js and RabbitMQ
- Added features for the project on file handling in Ruby on Rails, refractured code to get better flexibility and extensibility
- Configured environment for new servers to work with the cluster

## PROJECTS EXPERIENCE

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### Hubby

10/2013

- Developed a distributed lock service written in Haskell, which is based on the paper Paxos Made Practical and the Chubby Project
- Provided fault-tolerant course-granted advisory lock

### Gyro

04/2013

- Participated in the design of a mobile multi-player RPG game, implemented the backend for communication between user with Node.js framework and long-polling.
- Provided fault-tolerant course-granted advisory lock

### Yaoyaobus

11/2012

- Built a website for Beijing's bus information query
- Crawl and store bus information to build a simple Content Management System located in Sina App Engine with Django

## EXTRA-CURRICULAR ACTIVITIES

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### Financial Association of Tsinghua University

*Director of the Research Department*

Beijing, China

05/2013-Present

- Managed an editorial team of 14 students to compose and distribute a digital periodical called *The Weekly Review of Capital Market*, achieving more than 1000 subscribers from top universities in China

## SKILLS & HOBBIES

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**Language** Mandarin (native), English (fluent)

**Experienced** C, C++, Python, SQL, Linux utilities, Mysql

**Familiar** Bash, Haskell, Java, Javascript, Rails, Django, Nodejs, MPI, Unix Programming, Git, JVM

**Intermediate** C#, Matlab; Hadoop, GPGPU, STM

**Hobbies** Jogging, Billiards, Music, Digital gadgets