

# Qin Wang

<https://tsinwang.github.io>

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## SUMMARY

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- Master's degree in Computer Science with in-depth knowledge of algorithms, data structure, and Object-Oriented design.
- Detail oriented with solid programming capability and experience; work diligently on tedious assignments.
- Good communication, and problem analysis/resolution skills; ability to work in high collaborative environment.

## EDUCATION

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### Illinois Institute of Technology (Chicago, IL)

Jan. 2014 ~ Dec. 2015

*Master's degree in Computer Science*

- **Course Highlights:** Data Mining, Nature Language Processing, Advanced Database Organization, Mobile Application Development (Android), Software Testing and Analysis
- **GPA** 3.54 / 4.0

### China University of Geosciences (Beijing, China)

Sep. 2009 ~ Jul. 2013

*Bachelor's degree in Computer Science*

- **GPA** 3.0 / 4.0

## RELEVANT EXPERIENCE

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### Database Management System (Chicago, IL)

Feb. 2015 ~ May. 2015

*Leading a team with four members implementing database management system (~4K lines) with three major components: storage manager, buffer manager, and record manager. The management system is based on DBMS architecture and written by C.*

- Developed storage manager that allows to read/write of blocks to/from a file on disk.
- Using FIFO and LRU strategies to implement buffer controller that manages buffer of blocks in memory including reading/flushing to disk and block replacement (flushing blocks to disk to make space for reading new blocks from disk).
- Designed and developed record manager that allows navigation through records as well as insertion, deletion of records.

### Proximity Control Application (Chicago, IL)

Mar. 2014 ~ May. 2014

*Coding in a team with three members developing android application that works based on the proximity sensor of the device and can perform actions based on the motion gestures. The application is written by **Java** and **XML**.*

- The application can detect two different gestures, wave and hold. For each gesture there are two categories in which the phone can detect gestures. Different sets of operations are available for each mode.
- One can launch application, turn On/Off LED light, change screen orientation (without releasing lock), lock/ unlock Screen call a contact, accept call, play/pause music, change tracks.

### Software Engineering Intern (Guangxi, China)

Aug. 2013 ~ Nov. 2013

*Network Equipment Center, China Mobile CTT*

- Working in a team with nine developers maintaining and improving a data analyzing system (~20K lines) with a Apache Struts as front-end, and SQL server with stored procedures on the back-end.
- Managing database in SQL server to meet complex business requirements.

## TECHNOLOGY SKILLS

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**Programming Skills:** Java (Proficient), C++, Objective-C, C, HTML, JavaScript, CSS, XML, SQL, Git

**Tools:** Eclipse, Xcode, Visual Studio, Visual Basic, GitHub

**Enviroments:** Mac OS X, Windows, Linux/Unix