

Qin Wang

<http://tsinwang.github.io>

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Skills

Languages: Java (Proficient), C++, Objective-C, C, HTML, JavaScript, SQL

IDE: Eclipse, Xcode, Visual Studio

Environments: Mac OS X, Windows, Linux

Education Background

Illinois Institute of Technology (Chicago, IL)

Jan. 2014 ~ Present

- Master of Science in Computer Science
- GPA 3.60 / 4.00

China University of Geosciences in Beijing (Beijing, China)

Sep. 2009 ~ Jul. 2013

- Bachelor in Computer Science

Relevant Courses

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- | | |
|--|-------------------------------------|
| · Mobile Application Development Android | · Software Testing and Analysis |
| · Advanced Database Organization | · Design and Analysis of Algorithms |
| · Data Mining | |

College Projects

Database Structure Development (Chicago, IL)

Feb. 2015 ~ May. 2015

Used Language: C

- Database implementation with 3 major components namely, storage manager, buffer manager, record manager.

- Developed storage manager that allows to read/write of blocks to/from a file on disk.
- Implemented 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 and deletion of records.

Proximity Control Application (Chicago, IL)

Mar. 2014 ~ May. 2014

Used Languages: Java, XML

- Developed android application that works based on the proximity sensor of the device and can perform actions based on the motion gestures.

- The application can detect two different gestures, wave and hold. For each gesture there are two categories in which the phone can detect gestures.
- The application works when the screen is on as well as when the screen is off. Different set 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.

Work Experience

Software Engineering Internship (Guangxi, China)

Aug. 2013 ~ Nov. 2013

Used languages: Java, SQL

Responsibility:

- Maintained the network accounting system and refactored part of the functions to make the system run efficiently and correctly.
- Used SQL to verify if the data in database is matches with the data collected from branch office.