**TAO LU**

3502 Halifax Dr, Arlington, TX 76010

414-412-3832 • [gongzier@gmail.com](mailto:gongzier@gmail.com)

**EDUCATION**

University of Texas at Arlington, Arlington, TX December 2014

**Master of Science in Computer Science**, Cumulative GPA 3.55/4.0

**TECHNICAL SKILLS**

***Programming Languages:*** Java (2 years), C (2 years), Python (1 year), PHP (1 year), JavaScript (1 year), HTML (1 year), CSS (1 year), SQL and NoSQL (1 year), Scheme (1 year), MATLAB (2 years), Android (1 year)

***Software/Hardware:*** Eclipse, XCode, MySQL, Mongo DB, OpenGL, Hardoop, WAMP

***Operating Systems:*** Windows, Linux, Agile development environment

Speak fluent Mandarin Chinese, English

**PROJECTS**

***Home Care System*** (Spring 2014, Individual Project)

Language/Platform: SQL, PHP, HTML, CSS, JavaScript/MySQL, WAMP, Windows

* Designed and built Hospital Home Care Database using MySQL
* Implemented a web based inquiry system to display nurse visiting schedule and patient’s past medical records using HTML and CSS
* Deployed PHP to build the connection between database and webpage client

***Thesaurus Client & Server*** (Fall 2013, Individual Project)

Language/Platform: Java/Windows

* Developed Thesaurus Searching System with Client-Server model and GUI interface
* Implemented Socket communication protocol to communicate between server and client
* Designed a multi-threaded server which supports simultaneous access from multiple clients

***System Shell Utility*** (Spring 2013, Individual Project)

Language/Platform: C/Linux

* Redesigned UNIX-style Shell which enables multiple operations in simplifier way
* Implemented menu type shell allows users to pick file/directory from menu, instead of manually input file/directory name
* Applied system call to support low level text editor and calculator functionality

**PROFESSIONAL EXPERIENCE**

***Associate Data Analyst***

Morningstar, Inc. Shenzhen, China April 2012 - July 2012

* Maintained New Fund database for UK market, successfully decrease data error rate to 0.1%, resulting in 15% database accuracy enhancement and 10% cut on complain calls
* Developed a scan tool to automatically fetch data point from fund portfolio, leading to 30% improvement on work efficiency
* Redesigned New Fund database UI, which enhance usability when inputting and updating data point