TAO LU

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EDUCATION

University of Texas at Arlington, Arlington, TX   December 2014
Master of Science in Computer Science, Cumulative GPA 3.6/4.0
Core courses: Data Mining, Data Modeling, Algorithm

TECHNICAL SKILLS

Programming Languages: Java (3 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), Agile development environment
Software/Hardware: Eclipse, XCode, MySQL, Mongo DB, OpenGL, Hardoop, WAMP
Operating Systems: Windows, Linux
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