YING SHE

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OBJECTIVE

*Seeking a **FULL-TIME SOFTWARE DEVELOPMENT JOB** where I can utilize my knowledge of data structures, algorithms, and object oriented programming.*

EDUCATION

May, 2014 **M.S.** Computer Science Engineering — *University of Florida* — GPA: 3.80/4.0

Key Courses: Algorithms, Computer Architecture, Software Testing, Database Management, Advanced Data Structure, Machine Learning, ect.

Aug, 2015 **Ph.D.** Agricultural and Biological Engineering — *University of Florida* — GPA: 3.86/4.0

Jul. 2011 **B.E.** Electrical Engineering — *China Agricultural University* — GPA: 3.70/4.0

SKILLS

- Programming languages-- Java (Proficient), C++/C (proficient), Ruby (familiar)
- Web development--HTML/CSS/PHP/JavaScript
- Operation system-- Linux/ Windows/Mac OS X
- Tools—Visual Studio/Eclipse/ MySQL/Oracle/Matlab
- Scripting language—LaTex/Shell

ACADEMIC PROJECT EXPERIENCE

May, 2014 **Out-of-order Execution Simulation (C++, Makefile (g++))**

- Simulate MIPS pipeline execution & print the register/memory contents cycle by cycle.
- Implement 7 functional modules (WriteBack, MEM, ALU, Issue, FetchDecode, Restore, WriteFile) to achieve the goal of out-order execution (Scoreboard Algorithm).

Apr, 2014 **Score My Teacher (HTML+CSS+PHP+Oracle)**

- Fulfilled a web-based database system to allow UF students to share ideas about their course and teachers.
- Implemented functional modules including register, log in, post article, reply and search articles etc.

Dec, 2013 **P2P Network for File Sharing (Java)**

- Implemented a P2P network for file sharing with 1 local server and 5 peers.
- Realized two threads of control of each peer, one acted as client and another acted as server.

May, 2013 **Blackjack Game with Command-line Interface (Ruby)**

- Simulated the game by asking the number of player and starting each player with the same amount of money.
- Allowed players to hit, stand, split card and double down.

Dec, 2012 **Implement Prim's algorithm based on Fibonacci heap, Min heap (Java/C++)**

- Implemented minimum cost spanning tree algorithm using array structure, Min heap and Fibonacci heap.
- Successfully got the result as expected, Fibonacci heap works much better than Min heap and simple array.

PROFESSIONAL EXPERIENCE

2011- present **Research Assistant** — ***University of Florida***

- Developed aerial image system for nursery and citrus tree counting with Unmanned Aerial Vehicle (UAV).
- Designed different image processing algorithms (max-flow graph cut, image stitching, supervised classification, shadow remove, etc.) for citrus grove application.
- Automated citrus tree counting (95% accuracy for a 22000 citrus trees grove) and yield estimation in Matlab.

Jun-Aug, 2010 **Internship** — ***Chongqing China Mobile Communications Corporation***

- Gained knowledge of TD-SCDMA 3G mobile communication.
- Researched on the interoperability of 2G/3G hybrid networking, mainly about the cell reselecting/switching