Wenlu Cheng

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Summary of Qualifications:

- Proficient in Java, Python, C, SQL, JavaScript (JQuery), HTML, XML (XQuery), System Verilog, MS Office, Git, Shell Scripting and programming under Windows/Linux/Mac OS platforms.
- Familiar with multiple software design patterns and in-depth knowledge of algorithms, data structures, database management and object-oriented programming.
- 3 years' experience in designing, developing, and testing computer-based hardware and software.
- Work well independently and on team with diverse populations, highly adaptable and strong communication skills.

Education

University of Washington, Seattle

B.S.E. in Electrical Engineering with **Minor in Mathematics**. GPA: 3.7/4.0, expected Mar 2017

Focus in **Software Engineering** and **Embedded Computer Systems**

Relevant Coursework: Java Programming I & II, Data Structures & Algorithms I & II, Web Programming, Digital System Programming, Database System Management, Hardware/Software Interface, Unix Systems, Programming Concepts and tools, Computer Architecture, Embedded Microcomputer Systems, Introduction to AI.

Experience

Software Engineer Intern, Nokia Networks, June 2015 – Sep 2015

- Created a parser to transform data in multiple formats and worked with mentor on database management.
- Implemented new APIs to speed up the comparison between different product versions.
- Developed a Tree-Structured Directory file-sharing page on Atlassian Confluence.

Projects

2015 Seattle Codeday Hackathon (First Place)

- Worked in a team and intricately developed a web app that served as a platform for those with common interests. Designed the UI, unique features and contributed to database design and implementation.
- Presented teamwork and performed a demo to more than 100 audiences.

Memory Allocator (CSE Hardware/Software Interface, 04/2015)

- Implemented C library Function Malloc, which handles the request and arrangements of memory blocks.
- Using an explicit free list to reducing the computation cost.