

Wenlu Cheng

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Education

University of Washington, Seattle

Jun 2013 to Mar 2017

B.S.E. in Electrical Engineering with Minor in Mathematics. GPA: 3.7.

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

Experience

Software Engineer Intern, Nokia Networks

Jun 2015 to Sep 2015

- Work individually on database management and transformation of data in multiple formats.
- Worked with mentor on software testing, debugging and provided feedback.
- Implemented one XML parser tool with XQuery to filter out data. Accepted project feedback from mentor and made optimization.
- Developed a Tree-Structured Directory file-sharing page on Atlassian Confluence.

Projects

• 2015 Seattle Codeday Hackathon (Best Project Overall)

Worked in a team and developed a web app that allows people to pair up and explore things. In charged of UI design and made contribution in database implementation. Represented to more than 100 audiences. (Node.js, JQuery, SQL Lite)

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

Implementation of C library Function Malloc, handles the request of memory allocation and arrangements of memory blocks within a threshold; reducing computation cost. (C, Linux)

• Text File Compressor (CSE Java Programming II, 04/2014)

Created the Huffman tree to encode given files. Implementing algorithms include taking an encoded file and decrypting it in a new file with the decoded text. (Java)

Skills

Language: Java, Python, C Programming, JavaScript (JQuery), HTML5/CSS3, SQL

Tools: Linux, Pycharm, Eclipse, Microsoft Azure, AWS, MySQL