

William Thing

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EDUCATION

THE UNIVERSITY OF WASHINGTON

Bachelor of Science in Electrical Engineering, Minor Computer Science, Graduation: Spring 2016
Focus in Software Engineering and Embedded Computer Systems
Major GPA (4.0 Scale): 3.5

Relevant Coursework: Data Structures and Algorithms, Software Concepts and Tools, Java I, Java II, Database Systems, Hardware/Software Interface, Computer Design, Web Programming, Circuit Theory, Digital Circuits

SKILLS

- Languages: Java, Python, C, JavaScript, HTML, CSS, SQL, MySQL
- Experience in: Software Systems, Relational Databases, Agile, Scripting, Linux, Unix, Windows
- Tools: AWS, VMware, Azure, Eclipse, Git, Microsoft Office – Word, Excel, PowerPoint
- Strong Object-Oriented Programming, Data Analysis, Leadership, Communication skills

PROFESSIONAL EXPERIENCE

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| CloudBolt Software, Inc. | <i>Software Engineer Intern</i> | May 2015 - Present |
| <ul style="list-style-type: none">• Developed new features and enhancements on a small agile team• Redesigned and implemented CloudBolt's (CIT) Continuous Infrastructure Testing platform• Assisted in QA, fixed product bugs, and participated in all aspects of CloudBolt's software development life cycle | | |
| UW Instructional Center | <i>Computer Science Tutor</i> | Dec 2014 – June 2014 |
| <ul style="list-style-type: none">• Instructed computer science workshops covering major topics in Object-Oriented Programming such as: Inheritance, Objects, compile/runtime errors, comparable, binary tree, and binary search in Java.• Taught coding fundamentals including efficient program structure and commenting.• Coached students in a one-on-one environment to help with deficiency in coding. | | |
| UW Information Technology | <i>Preventative Maintenance</i> | Feb 2014 - Mar 2015 |
| <ul style="list-style-type: none">• Improved classroom support and services focused on resolving and updating asset issues.• Identified inefficient points in CSS system, system attribute opportunities, and analysis on asset system.• Performed updates and repairs on classroom technology in routine check-ups. | | |

PROJECT EXPERIENCE

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|---|---|---------------------------------|
| UW EcoCar Electrical Team | <i>Embedded Systems Engineer</i> | September 2014 - Present |
| <ul style="list-style-type: none">• Improved the Hardware-In-the-Loop (HIL) and Controller Area Network (CAN) project.• Simulated and tested application software and diagnostic functions of electronic control units of a hybrid car.• Programmed in C the embedded systems of charging management system through the design of O2C2. | | |
- Huffman Encoder, Java**
- Implemented Huffman coding through an algorithm to encode and decode text and reduce the memory size of text files.
 - Organized the frequency of characters in a given text file using a priority queue. Created the Huffman tree to encode given files. Methods include taking an encoded file and decrypting it in a new file with the decoded text.