William Thing

2339 41st Ave E · Seattle, WA 98112 · 206-335-9110 · wthing@uw.edu
williamthing.com · **Github**.com/williamthing · **Linkedin**.com/in/williamthing

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: System Software, Agile, Open source, Bash, Command Line, 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

CloudBolt Software, Inc. ***Software Engineer Intern*** **May 2015 - Present**

- Developed new features and enhancements in an agile team environment
- 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 ***Computer Science Tutor*** **Dec 2014 – June 2014**

- 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 ***Preventative Maintenance*** **Feb 2014 - Mar 2015**

- 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

UW EcoCar Electrical Team ***Embedded Systems Engineer*** **September 2014 - Present**

- 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.