Matthew W. Leeds

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Education

The University of Alabama, Tuscaloosa, AL   August 2013 — May 2017

- B.S. in Computer Science and Applied Mathematics
- Cumulative GPA: 3.61
- Honors College
- Computer-Based Honors Undergraduate Research Program
- The Mallet Assembly

Honors and Accolades

- National Merit Finalist
- University of Alabama Dean's List, Fall 2013 and Fall 2015
- University of Alabama President's List, Spring 2014
- Computer-Based Honors Fellowship Scholarship Recipient

Professional Skills

- Proficient in GNU/Linux, git, bash, and gdb
- Languages: Fortran, Java, Scheme, JavaScript, Go, and especially C/C++ and Python
- Moderate experience in web development, Android development, and GTK+ development
- Strengths in CS: cryptography, algorithms, and data structures

Work Experience

Software Engineering Intern, *Red Hat*   May 2016 — Present

- Utilize gdb, GTK+ Inspector, and other tools to debug and improve software
- Add "Search and Replace" functionality to Gnome Builder, a Linux IDE
- Work in free software communities to get my patches accepted into various projects

Lab Manager, *Computer-Based Honors Program*   March 2014 — Present

- Manage a computer lab with Windows, OS X, and Linux machines
- Solve technical problems for students
- Administrate and monitor servers providing various services

Research Experience

Undergraduate Researcher, *University of Alabama*   January 2016 — Present

- Worked under Dr. Travis Atkison in the Computer Science department
- Trained a neural network to classify Android malware using TensorFlow
- Wrote Bash and Python scripts to gather, process, and graph data

Leadership Experience

Vice President, *UA Association for Computing Machinery*   January 2016 — December 2016

- Coordinate with other ACM officers to plan meetings, workshops, and events
- Lead workshops on git and gdb