

Matthew W. Leeds

mwleeds@crimson.ua.edu | github.com/mwleeds | linkedin.com/in/mwleeds

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 Residence Program

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 using linux, git, bash, vim, and gdb
- Languages: Fortran, Java, JavaScript, Go, and especially C/C++ and Python
- Moderate experience in web development, Android development, and GTK+ development
- Interests in CS: cryptography, machine learning, blockchain, and systems programming

Work Experience

Software Engineering Intern, *Red Hat*

May 2016 — Present

- Utilize gdb, GTK+ Inspector, and other tools to debug and improve software
- Contribute to GNOME Builder, an IDE, and flatpak, a tool for packaging containerized desktop apps
- Participate in free software communities on IRC and GitHub

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 involved in undergraduate research
- 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