Matthew Leeds

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Education

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

- B.S. in Computer Science and Mathematics
- Cumulative GPA: 3.69
- Honors College
- Computer-Based Honors Undergraduate Research Program

Honors and Accolades

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

Professional Skills

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

Work Experience

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

Volunteer Experience

Brigade Captain, *Code for Tuscaloosa* July 2015 — Present

- Lead a team of volunteers working on open source civic technology
- Contribute to software projects on GitHub

Research Experience

Undergraduate Researcher, *Clemson University* June 2014 — July 2014

- Developed a linear programming solver in C++
- Built a web interface for modeling heterogeneous networks
- Utilized git, LaTeX, PHP, JavaScript, and other technologies

Undergraduate Researcher, *University of Alabama* September 2014 — April 2015

- Worked under Dr. Jeremy Bailin through the Computer-Based Honors Program
- Automated the creation of synthetic images of simulated galaxies using Python scripting
- Solved technical issues with running the SUNRISE radiative transfer code on a supercomputer