

# John Hossler

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github.com/jmhossler

## Skillsets

- **Languages:** Go, Python, C, C#, Javascript
- **Methodologies:** Agile, Clean Code, Pair Programming
- **Utilities:** Netconf, RestConf, bash, git, vim, L<sup>A</sup>T<sub>E</sub>X, Docker, Pytest, Tox, PyPi, Artifactory, Jenkins, Robot Framework
- **Operating Systems:** Linux (several distributions), Mac OS X, Windows

## Education

### The University of Alabama

#### B.S. Computer Science

Tuscaloosa, AL

May 2018

- Engineering Leadership Scholarship recipient
- Presidential Scholarship recipient
- Minors: Physics, Mathematics
- Related Coursework: Data Structures and Algorithms, MicroControllers, Software Engineering, Programming Languages, Operating Systems, Computer Networking, Formal Languages

## Career Experience

### Adtran

#### Co-Op 1st Term

Huntsville, AL

May 2016 - August 2016

- Wrote scripts to standardize the company's existing automation libraries on PEP8 coding style.
- Reworked automation libraries to better utilize coding principles like inheritance, encapsulation, and DRY code.
- Provided documentation and training for tools created during term.
- Began the conversion of the company's AP simulator from using VMs to Docker images.

#### Co-Op 2nd Term

Jan 2017 - August 2017

- Worked on test automation software to help with Continuous Integration goals in the company.
- Helped refactor existing packages to ease testing and increase test coverage.
- Segmented existing packages into more granular packages to isolate functionality.
- Created visualization tool for increased visibility on test case health.
- Participated and won category in Hackathon event.
- Gave internal tech talks on tools that I made.
- Monitored Continuous Integration Pipeline and helped recover testbeds, noting bugs to be fixed.

### The University of Alabama

#### Teaching Assistant - Grader

Tuscaloosa, AL

Fall 2016

- Reworked grading scripts to increase reusability.
- Provided quality feedback to students for their projects and labs.

#### Learning Assistant

Fall 2016

- Assisted multiple professors teach introductory Physics, both honors and standard classes.
- Gained experience as a class leader through assisting students develop the skills necessary to understand classical physics.

#### CS Lab Assistant

Spring 2015

- Taught students how to debug their programs more effectively.
- Increased students' understanding of core programming concepts, such as loops, recursion, and memory management in C.