

# John Hossler

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## Skillsets

- **Languages:** Go, Python, C, C++, Javascript, Bash
- **Methodologies:** Agile, Clean Code, Pair Programming, SAFe
- **Utilities:** Netconf, RestConf, bash, git, vim, L<sup>A</sup>T<sub>E</sub>X, Docker, Pytest, Tox, PyPi, Artifactory, Jenkins, Robot Framework, Jira, Confluence
- **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.

#### *Co-op 3rd Term*

August 2017 - December 2017

- Used Jenkins to automate the maintenance of permissions between Github Repositories and corresponding Jenkins Jobs.
- Created promotion model for group on Artifactory.
- Added functionality to a private Github administration Python tool.
- Performed general administration tasks on Jenkins, Artifactory, and Github.
- Participated and won 3rd Place in Hackathon event for a voting tool.

### The University of Alabama

- *Teaching Assistant* 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.