

# Tess Huelskamp

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## EDUCATION

**MICHIGAN STATE UNIVERSITY (MSU)**  
**BS IN COMPUTER SCIENCE**  
May 2017 | East Lansing, MI  
Cum. GPA: 3.94  
Minor in Linguistics  
High Honors  
Honors College

## LINKS

Github:// [tesshuelskamp](#)  
LinkedIn:// [tesshuelskamp](#)

## COURSEWORK

### GRADUATE

Algorithms  
Parallel Programming (MPI & OpenMP)  
Semantics  
Syntax

### UNDERGRADUATE

Algorithms  
Big Data  
Compilers  
Computer Architecture  
Databases  
Linear Algebra  
Machine Learning  
Networking  
Security  
Software Design

## SKILLS

### LANGUAGES & TOOLS

Advanced:

C++ • Git • Linux System Administration • Markdown • MySQL • Python • Shell • Vim

Intermediate:

Agile • Amazon Web Services •  $\LaTeX$  • Terraform • Test Driven Development

Familiar:

Go • OpenMP • MPI • Perl

## EXPERIENCE

### LOS ALAMOS NATIONAL LABORATORY – HIGH PERFORMANCE COMPUTING | POST-BACCALAUREATE INTERN

June 2017 – Pres. | Los Alamos, NM

- Optimizing node health-, security-, and network-checks in efficient bash code.
- Developing a daemon in Go to handle the boot up of several hundred Raspberry Pis to rapidly prototype different boot patterns.
- Led a three person team on a project to assess how Lustre's client-side tunables affect file transfer agent performance.

### MSU DEVOLAB | JUNIOR DEVELOPER

Aug 2016 – May 2017 | East Lansing, MI

- Coordinated with researcher to prototype a database to house long term evolutionary data (MySQL, Python).
- Prototyped a game to showcase an C++ to web assembly compiler.

### CISCO – INTERNET OF THINGS | SOFTWARE ENGINEERING INTERN

May 2016 – Aug 2016 | San Jose, CA

- Worked on an agile team to extend and optimize several Python and Terraform scripts to speed up the deployment of a cluster on a variety of cloud providers (AWS, Cisco Cloud Services).
- Mocked the transportation of sensor data using MQTT, Python, and a Raspberry Pi.

### MSU INSTITUTE FOR CYBER-ENABLED RESEARCH | INTERN

Jan 2015 – May 2016 | East Lansing, MI

- Implemented a series of bash powertools to automate database management.
- Assistant taught classes to acclimate new users to the Linux environment.
- Researched how Chlorine and Fluoride ions reacted to explosive compounds using a variety of computational chemistry tools.

### MSU LANGUAGE ACQUISITION LAB | RESEARCH ASSISTANT

Aug 2013 – May 2015 | East Lansing, MI

- Designed and ran experiments to assess: adults' interpretations of plurality; children's understanding of the passive; and, local speakers' use of verb leveling.
- Mentored younger researchers to prepare them to present at conferences.
- Automated regular research tasks in Bash and Python.
- Grammaticalized number, implicated presuppositions, and the plural to appear in *Glossa* 2018.

## AWARDS

2018 One time winner of 538's The Riddler  
2017 TechSmith Screencast Award  
2016 GLEEFUL Top Poster Presentation  
2013 - 2017 MSU Distinguished Freshman Scholarship

## SERVICE

2017 Hour of code at Los Alamos area elementary schools.  
2014 - 2017 Led many recruitment and outreach events (STEM Days, Girls Scout Days)  
2015 - 2017 Mentored a college freshman as she adjusted to college.  
2015 - 2016 Vice President of the MI-A chapter of Tau Beta Pi.