

## EDUCATION

*Purdue University,*  
Major: Computer and Information Technology  
Concentration: Network Engineering Technology

August 2011 - May 2015

## SKILLS

*Languages:* Python, GoLang, C, Bash, Java,  $\text{\LaTeX}$

## EXPERIENCE

*Software Development Engineer*  
Dell EMC

June 2015 - Present

- Designed, managed, and built a business intelligence platform based around a Postgres database
- Designed and built tooling in python for filling that database using processed and filtered data from customer logs
- Used the above platform to answer engineering questions, triage bugs, and provide dashboards
- Worked with Solutions Engineering leads to develop a set of dashboards that enabled them to make an additional \$3M in sales within the first quarter after deployment
- Taught teams from other parts of the Engineering organization how they could leverage the data that we collect to investigate issues in their components
- Migrated my team's development workflow to use VMs that were reproducible via Puppet
- Enabled logging to an ELK stack for most of our infrastructure

*Software Development Engineering Intern*  
EMC<sup>2</sup> Isilon

May 2014 - August 2014

- Automated the minidump extraction and analysis processes in Python
- Built a daemon to watch bugzilla and unpack minidumps associated with open bugs

*Student System Administrator*  
Rosen Center for Advanced Computing

September 2011 - May 2015

- Diagnosed and repaired cluster, legacy, and storage systems
- Wrote scripts to aid in diagnosing issues
- Maintained several current and former Top500 List Clusters

## ACTIVITIES

*ACM Special Interest Group for Robotics*  
Software Team Leader, Head of Outreach

September 2011 - Present

- 2<sup>nd</sup> Place in the Programing Skills competition at Vex World Championships 2013
- Teach students to program microcontrollers using C
- Developed dynamic robot mapping environment for Autonomous mode

*Student Cluster Competition*  
Member

September 2012 - 2015

- Compiled and ran Molecular Dynamics Simulations at SC 2012 (LAAMPS) in Salt Lake City, Utah and ISC 2013 (GROMACS) in Leipzig, Germany

## Projects

*CKeys*

2017 - Present

- One of four founding members of the 501(c)(3) non-profit focused on introducing people to electronics and programming through mechanical keyboards
- Helped organize and teach soldering workshops in partnership with the Living Computer Museum + Labs
- Helped organize meetups for 200+ attendees including workshops, talks, and other activities
- Selected speakers, helped them prepare talks, and assisted with the streaming of their talks online for interested people not able to be physically present at the event
- Designed, sourced parts for, fabricated, programmed, and demoed a carnival-style typing game