

EDUCATION *Purdue University,* August 2011 - May 2015
Major: Computer and Information Technology
Concentration: Network Engineering Technology

SKILLS *Languages:* Python, GoLang, C, Bash, Java, \LaTeX
Technologies: Postgres, MySql, Puppet, Saltstack, Linux, VMWare

EXPERIENCE *Software Development Engineer* June 2015 - Present
Dell EMC

- Architected and built python tooling for filling that database using processed customer log data
- Designed, managed, and built a business intelligence platform based around a Postgres database
- Resolved engineering questions and triaged field issues using out business platform
- Developed a set of dashboards in collaboration with Solutions Engineering leads to identify customers nearing capacity, leading to added sales
- Taught other Engineering teams how to leverage the data that we collected to investigate issues in their components
- Migrated my team's development workflow to use reproducible VMs

Software Development Engineering Intern May 2014 - August 2014
EMC² Isilon

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

Student System Administrator September 2011 - May 2015
Rosen Center for Advanced Computing

- 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* September 2011 - May 2014
Software Team Leader, Head of Outreach

- Organized events and mentored high school and college robotics students
- Developed dynamic robot mapping environment for Autonomous mode

Student Cluster Competition September 2012 - 2015
Member, Application Specialist

- Compiled and ran scientific applications on a small supercomputing cluster

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
- Taught soldering workshops in partnership with the Living Computer Museum + Labs
- Organized 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