

EDUCATION

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

August 2011 - May 2015

SKILLS

Languages: Python, GoLang, C, Bash, Java, \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 of 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
EMC² 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

- 2nd 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