

EDUCATION

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

August 2011 - May 2015

SKILLS

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

EXPERIENCE

Software Development Engineer
Dell EMC - Isilon

June 2015 - Present

- Designed, managed, and built a business intelligence platform based around a Postgres database
- Architected and built python tooling for filling that database using processed customer log data
- Resolved engineering questions and triaged field issues using our 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 internal teams' development workflow to use reproducible Virtual Machines

Software Development Engineering Intern
EMC² Isilon

May 2014 - August 2014

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

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 on several current and former Top500 List Clusters

ACTIVITIES

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

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

September 2011 - May 2014

- 2nd Place in the Programing Skills competition at Vex World Championships 2013
- Organized events and mentored high school and college robotics students

Student Cluster Competition
Member, Application Specialist

September 2012 - 2015

- Worked on a team of six undergraduate students
- Compiled and ran scientific applications on a small supercomputing cluster

Projects

Boilermake

October 2014

- Worked on a multidisciplinary team of undergraduate students
- Built a 3D-printed robotic hand controlled by Electromyography

pbnh - <https://github.com/bhanderson/pbnh>

May 2016

- Built a pastebin to replace the ancient one in use at work
- Designed it to handle images, video, and other media in addition to text

For more information and source code for my projects,
see my github <http://github.com/jetpacktuxedo>