

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 Senior Engineer* October 2018 – Present
Software Development Engineer June 2015 – October 2018
Software Development Engineering Intern May 2014 – August 2014
Dell EMC – Isilon

- Designed 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
- 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 September 2011 – May 2015
Rosen Center for Advanced Computing

- 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
Founding Member, Board of Directors

- 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 300+ attendees including workshops, talks, and other activities

Student Cluster Competition September 2012 – 2015
Member, Application Specialist

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

ACM Special Interest Group for Robotics September 2011 – May 2014
Software Team Leader, Head of Outreach

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

Projects *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

Boilermake October 2014

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