

Education	<i>Purdue University,</i> Major: Computer and Information Technology Concentration: Network Engineering Technology	August 2011 – May 2015
Skills	<i>Languages:</i> Python, GoLang, C, Bash, Java, \LaTeX <i>Technologies:</i> Postgres, MySql, Docker, Puppet, Saltstack, Linux, VMWare	
Experience	<i>Software Senior Engineer</i> <i>Software Development Engineer</i> <i>Software Development Engineering Intern</i> Dell EMC – Isilon	October 2018 – Present June 2015 – October 2018 May 2014 – August 2014
	<ul style="list-style-type: none">• 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 storage capacity, leading to added sales• Taught other Engineering teams how to leverage the data that we collected to investigate issues in their components• Handed off ongoing development work for the business intelligence platform to a remote team through a series of remote sessions and on-site training• Migrated internal teams' development workflow to use reproducible Virtual Machines• Built dockerized microservices designed to collect and parse information for use in automating the assessment of incoming pull requests• Rearchitected legacy perl-based web tools in order to improve performance and maintainability	
	<i>Student System Administrator</i> Rosen Center for Advanced Computing	September 2011 – May 2015
	<ul style="list-style-type: none">• Diagnosed and repaired cluster, legacy, and storage systems• Wrote scripts to aid in diagnosing issues on several current and former Top500 List Clusters	
Activities	<i>CKeys</i>	2017 – Present
	<ul style="list-style-type: none">• 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	
	<i>Student Cluster Competition</i>	September 2012 – 2015
	<ul style="list-style-type: none">• Worked on a team of six undergraduate students• Compiled and ran scientific applications on a small supercomputing cluster	
	<i>ACM Special Interest Group for Robotics</i> Software Team Leader, Head of Outreach	September 2011 – May 2014
	<ul style="list-style-type: none">• 2nd Place in the Programing Skills competition at Vex World Championships 2013• Organized events and mentored high school and college robotics students	
Projects	<i>pbnh</i> – https://github.com/bhanderson/pbnh	May 2016
	<ul style="list-style-type: none">• Built a pastebin to replace a legacy platform in use at Isilon without losing historical data• Designed to handle images, video, and other media in addition to text	
	<i>Boilermake</i>	October 2014
	<ul style="list-style-type: none">• Worked on a multidisciplinary team of undergraduate students• Built a 3D-printed robotic hand controlled by Electromyography	