

Education	<i>Purdue University</i> Major: Computer and Information Technology Concentration: Network Engineering Technology	August 2011 – May 2015
Skills	Languages: Python, GoLang, C, Bash, Java, $\text{\LaTeX}$ Technologies: 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"><li>Designed and built a business intelligence platform based around a Postgres database</li><li>Architected and built python tooling for filling that database using processed customer log data</li><li>Resolved engineering questions and triaged field issues using our business platform</li><li>Developed a set of dashboards in collaboration with Solutions Engineering leads to identify customers nearing storage capacity, leading to added sales</li><li>Taught other Engineering teams how to leverage the data that we collected in order to aid in the investigation issues in their components</li><li>Handed off ongoing development work for the business intelligence platform to a remote team through a series of remote sessions and on-site training</li><li>Migrated internal teams' development workflow to use reproducible Virtual Machines</li><li>Built dockerized microservices designed to collect and parse information for use in automating the assessment of incoming pull requests</li><li>Rearchitected legacy perl-based web tools in order to improve performance and maintainability</li></ul>	
	<i>Student System Administrator</i> Rosen Center for Advanced Computing	September 2011 – May 2015
	<ul style="list-style-type: none"><li>Diagnosed and repaired cluster, legacy, and storage systems</li><li>Wrote scripts to aid in diagnosing issues on several current and former Top500 List Clusters</li></ul>	
Activities	<i>CKeys</i>	2017 – Present
	<ul style="list-style-type: none"><li>One of four founding members of the 501(c)(3) non-profit focused on introducing people to electronics and programming through mechanical keyboards</li><li>Taught soldering workshops in partnership with the Living Computers</li><li>Organized meetups for 300+ attendees including workshops, talks, and other activities</li></ul>	
	<i>Student Cluster Competition</i>	September 2012 – May 2015
	<ul style="list-style-type: none"><li>Worked on a team of six undergraduate students to compile and run scientific applications on a small supercomputing cluster</li></ul>	
	<i>ACM Special Interest Group for Robotics</i> Software Team Leader, Head of Outreach	September 2011 – May 2014
	<ul style="list-style-type: none"><li>2<sup>nd</sup> Place in the Programing Skills competition at Vex World Championships 2013</li><li>Organized events and mentored high school and college robotics students</li></ul>	
Projects	<i>pbnh</i> – <a href="https://github.com/bhanderson/pbnh">https://github.com/bhanderson/pbnh</a>	May 2016
	<ul style="list-style-type: none"><li>Built a pastebin to replace a legacy platform in use at Isilon without losing historical data</li><li>Designed to handle images, video, and other media in addition to text</li></ul>	
	<i>Boilermake</i>	October 2014
	<ul style="list-style-type: none"><li>Worked on a multidisciplinary team of undergraduate students to build a 3D-printed robotic hand controlled by Electromyography</li></ul>	