

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, \LaTeX Technologies: Git, 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 databaseArchitected and built python tooling for filling that database using processed customer log dataResolved engineering questions and triaged field issues using our business platformDeveloped a set of dashboards in collaboration with Solutions Engineering leads to identify customers nearing storage capacity, leading to added salesTaught other Engineering teams how to leverage the data that we collected in order to aid in the investigation issues in their componentsHanded off ongoing development work for the business intelligence platform to a remote team through a series of remote sessions and on-site trainingMigrated internal teams' development workflow to use reproducible Virtual MachinesBuilt dockerized microservices designed to collect and parse information for use in automating the assessment of incoming pull requestsRearchitected 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 systemsWrote 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 keyboardsTaught soldering workshops in partnership with the Living ComputersOrganized meetups for 300+ attendees including workshops, talks, and other activities	
	<i>Student Cluster Competition</i>	September 2012 – May 2015
	<ul style="list-style-type: none">Worked on a team of six undergraduate students to compile and run 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 2013Organized 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 dataDesigned 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 to build a 3D-printed robotic hand controlled by Electromyography	