

EXPERIENCE *Senior Software Engineer* 2015 - present
Dell EMC, Isilon Storage Division

- Distributed storage system scalability testing lead. Own and manage over 700 pieces of hardware for large scale integration testing, including the five largest storage clusters in the company
- Develop tests, test frameworks, tools, and scripts to consistently improve product quality.
- Maintain communication with feature developers to certify and integrate features at 100+ node scale as they are developed
- Subject matter expert in hardware virtualization for scalability testing, vmware infrastructure
- Team lead for team of five for fault tolerance testing. Provided guidance and mentorship, as well as test coverage for new team during onboarding, resulting in a highly productive and self-sufficient team within 6 months
- Owned all fault-tolerance behavioral integration testing for one year. Managed all aspects of testing, including test plan development, test development, automation development, and test execution
- Focus on improving testing using docker, vmware virtualization, python microservices
- Software engineer for customer centric verticals testing team. Wrote and maintained virtualization automation, developed test automation for specific customer scenarios

Software Engineering Intern Summer 2014
EMC², Isilon Storage Division

- Developed python tool to manage virtual machines for test environment at 500-2000 scale

Software Developer April 2013 - May 2015
Experimental Infrastructure Software Laboratory

- Developed software in Java and C for GridStat middleware
- Technical assistant for research activities
- Developed TLS/SSL security testing application in Java

IT Infrastructure Intern Summer 2012
ChemPoint.com Inc.

- Designed and deployed office wifi, aprox. 300 users
- Developed solution for off site data backup and restore

EDUCATION *Bachelor of Science, Computer Engineering* December 2015
Washington State University

Elected *President*, WSU Linux Users' Group 2014-2015
Elected *Vice President*, WSU Amateur Radio Club 2013-2015
Elected *System Administrator*, WSU Linux Users' Group 2013-2014
Elected *Secretary*, WSU Amateur Radio Club 2012-2013
Elected *Treasurer*, WSU Amateur Radio Club 2011-2012

SKILLS Familiar with: Python 3, Python 2, C, C++, Java, JavaScript, Docker, VHDL, Xen, ZFS, vmware, Unix systems, Linux, FreeBSD, test engineering, network engineering, embedded systems, electronics engineering, PCB layout, RF devices, distributed systems, Redis, SQL