

Christopher Muzyn

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EDUCATION

BS in Computer Science, *University of Tennessee*, Knoxville, Tennessee, 2016

WORK EXPERIENCE

HPC-Ops HPC Intern, *National Center for Computational Sciences*, Oak Ridge National Lab, August 2016 - Present.

- Assisted in integrating IBM Power 8 and Power 8 Plus systems into the organization, in preparation for a large Power 9 system.
- Configured a single cabinet Cray XC40.
- Worked regularly with IBM tools for managing clusters, such as xCAT.
- Set up and became intimately familiar with the IBM Scalable Log Analysis platform.
- Contributed regularly to the internal Puppet repository, which had 20+ contributors.
- Troubleshoot general system issues on Cray(SLES) and IBM(RHEL) platforms.

HPC-Ops Infra Intern, *National Center for Computational Sciences*, Oak Ridge National Lab, May 2015 - August 2016.

- Updated the team's internal documentation system
- Wrote and benchmarked a set of scripts to aid in reliably transferring a large number and size of files to and from a Lustre filesystem.

Undergraduate HPC Advisor, *Center for Ultra-Wide-Area Resilient Electric Energy Transmission Networks (CURENT)*, The University of Tennessee, January 2015-February 2015

- Advised direction on a project converting a proprietary program to run on a supercomputer.

Student Cluster Competition, *National Institute for Computational Sciences*, Oak Ridge National Lab, May 2014-November 2014.

- Helped assemble and maintain a small cluster, built with power efficiency in mind.
- Experience tuning the HPL benchmark with vendor provided libraries.
- Created a system for tuning the CPU, GPU, and fans for performance, power consumption, and temperature.
- Created the team's perfect scoring visualization platform with JavaScript libraries and HTML5.

AWARDS AND TRAINING

Cray XC System Administration Training for CLE6 and SMW8, *Cray Inc*, September 2016

Recipient, *Eagle Scout*, BSA Troop 172 of St. Jude Catholic Church, July 2009

RELATED SKILLS

- Proficient in C, C++, and Python.
- Basic knowledge of Bash, Puppet, Perl, Java, Javascript, PHP, and Ruby.