Zachary **Jones**

STUDENT · SYSTEM ADMINISTRATOR

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Summary

Fourth year Computer Network and System Administration Student that has experience though internships, the IT Oxygen enterprise and student employment. Skills in Linux administration, RHEL7 hardening, VM administration, configuration managment, and networking.

Education

Michigan Technological University *Houghton MI*

BS COMPUTER NETWORK AND SYSTEM ADMINISTRATION MINOR IN CYBERSECURITY *Sept. 2016 - Exp. Dec. 2019*

- GPA: 3.35 | Department GPA: 3.48

Work Experience

Los Alamos National Labratory *Los Alamos, New Mexico*

STUDENT SYSTEM ADMINISTRATOR *Jun. 2018 - Current (Summers Only)*

- Created deployment tool for RHEL 6 & 7 machines.
- Worked on migration of Red Hat Satellite from version 5 to 6
- Administered Red Hat Satellite for over 2,000 clients
- Investigated the used of Configuration Managment at LANL

Michigan Tech IT Operations: Linux Team *Houghton, Michigan*

STUDENT SYSTEM ADMINISTRATOR *Sept. 2016 - Current*

- Build RPM spec files for deployment on campus lab machines and servers.
- Used Red Hat Satellite and Puppet managing machines
- Modify Kickstart profiles for deploying machines
- Worked on migration of Red Hat Satellite from version 5 to 6

Michigan Tech IT Oxygen Enterprise *Houghton, Michigan*

SECURITY TEAM LEAD *Jan. 2016 - present (School year)*

- Maintain and created new infrastructure for other IT Oxygen Projects
- Manage 2 ESXI hosts
- Manage multiple linux machines with chef
- Created VMs for use by other IT Oxygen projects
- Created an oVirt Cluser to replace ESXI hosts
- Created a risk assesment of the enterprise

Skills

Basic Computer	MS Office, Google Drive, Windows, Linux
System Administration	Bash Scripting, Vim, RPM Spec creation, Kickstart Configuration, Ovirt
Configuration Managment	RH Satellite, Foreman, Puppet, Salt, Chef
Networking	Cisco, Unifi, pfSense

Extracurricular Activity

LUG (Linux Users Group at Michigan Tech) *Houghton MI*

PRESIDENT FROM 2017-18, SERVER ADMIN, AND CORE MEMBER *Sept. 2016 - present*

- Maintained public Linux/Unix mirror
- Oversaw migration to new data center
- Oversaw the migration to a new mirrors server

HARC (Husky Amature Radio Club)

Houghton MI

PRESIDENT & CORE MEMBER

Jan. 2017 - present

- Gained experence in multiple types of radio, analog and digital
- Participated in creating back-end infastructure for the W8YY DMR(Digital mobile radio) repeater network

Houghton City Fire Department

Houghton, MI

FIREFIGHTER

Nov. 2018 - present

- Interior Firefighter
- Manager of secondary dispatch service