# Jacob (Jake) Black
## System Administrator

567.208.3977    jake@jjblack.tech

Maple Grove, MN   jjblack.tech/resume.pdf

## *Work Experience*

### IT QA Engineer

- Configure and maintain environments in VMWare vSphere
- Patch, test, and verify software releases
- Monitor and investigate system resource usage issues
- Automate tasks with BASH and Powershell
- Review and maintain NERC-SIP security compliance

**Emerson**
Medina, MN
Jun 2022-current

### (Linux) Systems Administrator

- Deployed and managed virtualized and cloud systems
- Automated linux administration via ansible and BASH
- Administered samba domain controllers and Azure AD
- Provided storage and backup solutions with BSD and ZFS
- Reviewed and maintained ITAR and FedRAMP compliance

**Extreme Engineering Solutions**
Verona, WI
Jan 2020-Jun 2022 (full-time);
May 2019-Aug 2019 (Co-Op);
May 2017-Dec 2017 (Co-Op)

### Telecommunications Student Employee

- Installed and terminate new CAT6 and fiber lines
- Configured new networking devices
- Updated network location labels and maps

**Michigan Tech University**
Houghton, MI
Aug 2019-Dec 2019;
May 2018-May 2019

## *Education*

### Computer Networking & System Administration (B.S.)
Michigan Technological University - Houghton, MI

December 2019
GPA - 3.50

## *Proficiency*

- Azure & AWS
- VMWare
- SQL Databases
- Linux and BASH
- Windows and Powershell
- Python scripting
- Automation Suites
- Resource Monitoring
- TCP/IP

- Cisco IOS
- Juniper Junos
- RHEL, Ubuntu, Arch
- BSD
- File Systems
- Samba
- Active Directory
- User Management
- Email Servers

- Ticketing Systems
- Virtualization
- Containerization
- Documentation
- High-Availability
- Network Redundancy
- Server Room Layout
- Network Cabling
- Server Installation

## *Hobbies*

| | | |
|---|---|---|
| Woodworking | Open-Wheel Racing | Homelab |
| Snowboarding | Hockey | Camping |