

Jared Dunbar

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Professional Skills

Server and Network Engineering and Administration, Cloud (AWS/Azure)
Cybersecurity, Scripting Languages, Team Player, Leadership

Education

Clarkson University

B.S. Computer Science, Minors in IT & Communications

Potsdam, NY

August 2015 - May 2019

Work Experience

Clarkson University Office of Information Technology

Server and Network Engineer

Potsdam, NY

September 2016 - March 2019

- Install fiber patches, run fiber optics, configure Juniper switches, convert Cisco IOS switch configurations to Juniper switch configurations, as part of a network upgrade
- Work in data-centers, connect sensor arrays, install hardware, take inventory
- Integrate Linux systems with Windows Active Directory
- Write internal monitoring software to enhance Nagios monitoring software suite as a major component of a new end-user facing status page

Helpdesk Technician

- Image computers, install software and configure licensing
- Work one-on-one with clients, resolve hardware and software problems

Additional Technical Experience

Clarkson University

Clarkson Open Source Institute (COSI)

Potsdam, NY

August 2015 - June 2019

- Held the role of Lead System Administrator for over three years, responsible for operating most systems (20+ servers) for day to day operations of 100+ users
- Lead multiple computer science outreach programs and create curriculum for the programs, teaching 5-12th grade students to get them interested in STEM fields
- Manage VM hosts, public FOSS mirror, websites, write extensive documentation
- Made initial designs, implemented, and operate Juniper and TP-Link networking hardware, using technologies including VLAN's, LACP, STP, SNMP
- Deploy new 10G fiber hardware, Ubiquity WiFi, IPv6 upgrade, new redundant DHCP and DNS systems, firewalls, VPN's, network deployment servers, PXE
- Managed budgeting, quoting for new servers, network hardware, end user systems
- Team Player: works with other system administrators to solve complex problems

Technical Skills

Languages: Fluent in Python, Java, LabVIEW, Familiar with HTML/CSS, Bash, Perl, Rust, LaTeX

Operating Systems: Fluent System Administration of Ubuntu, CentOS, RHEL, and many other Linux distributions. Familiar with Junos, Cisco IOS, Microsoft Active Directory

Software: Fluent with iptables, dhcpd, nginx, systemd services and timers. Familiar with SLURM clustering software, Asterisk VoIP Software, apache2, MySQL, sqlite

Last Revised June 12th, 2019