

Dion Demetrius

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Education

Computer Systems Technology – Networking, Centennial College
Ontario College Advanced Diploma

Sep. 2019 – June 2025

Related Experience

Centennial College

Sep. 2019 – April 2025

Networking Student Experiences

Network Simulation with Cisco Packet Tracer

- Designed a network simulation connecting multiple Canadian regions incorporating routing protocols, VLANs, and subnetting to emulate real-world environments.
- Facilitated the analysis of network performance and security, enabling the study of scenarios involving over 1 million concurrent web browsers in near real-time.

Internetwork Troubleshooting with Cisco Hardware

- Executed advanced troubleshooting labs by implementing configurations and network solutions resolving issues related to HSRP, EIGRP, OSPF, and STP on real cisco hardware.
- Hands-on experience has enhanced my practical problem-solving skills in a fast-paced live network scenario, contributing to a deeper understanding of network protocols and hardware configurations.

PowerShell and Python Scripting for Administration Automation

- Developed scripts to automate routine administration tasks on Windows based operating systems.
- Implemented scripts to automate repetitive tasks which can reduce processing time by up to 90%, freeing up valuable human resources for more strategic inquiries.

Data Center Virtualization with VMware ESXi

- Managed and configured virtual machines within a VMware ESXi environment, establishing network connectivity between virtual machines and implementing virtual network solutions to simulate data center operations.
- Utilized ESXi's Balanced power management policy which can improve energy efficiency by 3% without compromising on performance.

Cineplex Entertainment Corporate Office

Jan. 2022 – Apr. 2022

Co-op Junior EUTS Analyst

- Assisted in switch installation, improving connectivity for 100+ employees
- Completed tier 1 support tickets on the first attempt, reducing downtime by 10%
- Administration for new and existing Active Directory Accounts
- Updated consumer ticket kiosks remotely, improving efficiency for thousands of customers
- Provided post implementation remote and desk-side support
- Collaborated with a seasoned IT team to ensure timely support and reliability

Technical Skills and Knowledge

Networking: OSPF, EIGRP, HSRP, DHCP, ACL, PPP, LAN/WAN, DNS, VLAN, VPN

Programming: Experience using Python, Java, C#

Operating Systems: Microsoft Windows, MacOS, Windows Server OS, Fedora, Ubuntu, Arch

Tools & Platforms: Cisco Packet Tracer, Wireshark, VMware Workstation, ESXi, Parsec, KVM/QEMU, Vsphere, Microsoft 365, Azure, Git/Github, FTK Imager, Autopsy, Audacity, pfSense, Helvum, HuggingFace, Filezilla, Tailscale, JetBrains