

Matthew Dumford

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Education

University of Cincinnati, Cincinnati, OH

Aug 2019 - May 2024

M.S. in **Criminal Justice**

GPA: 4.0

B.S. Double Major in **Cybersecurity** and **Information Technology** (Networking)

GPA: 4.0

Work Experience

The Cincinnati Insurance Companies

Cincinnati, OH

IT Facilities Intern

May - August 2022

- Migrated several intranet web portals to HTTPS to improve security
- Installed both copper and fiber-optic cabling, including MPO and breakout cables
- Performed cable tests to diagnose unresponsive or high-loss connections
- Coordinated with multiple 3rd-party vendors to troubleshoot and resolve product issues

Application Infrastructure Technical Support Intern

Aug - Dec 2021

- Created detailed process documentation to develop standards and transfer knowledge
- Audited existing documentation to update outdated information
- Validated network information from firewall rules, DNS records, and other sources
- Built visual topology diagrams in Visio to document logical network connectivity

IT Facilities Intern

Jan - April 2021

- Monitored datacenter temperature and power consumption
- Audited datacenter outlet usage to maximize available resources
- Audited rack-mounted equipment and removed retired devices
- Responded to DCIM alerts to quickly identify and remedy potential issues with production equipment

Clippard Instrument Laboratories

Cincinnati, OH

IT Intern

May - Aug 2020

- Provided hands-on desktop support and IT troubleshooting for over 70 employees
- Configured and maintained laptop & desktop computers, office printers, barcode scanners, and other peripherals
- Managed DHCP and static IPv4 address assignments
- Implemented company-wide phishing tests
- Researched, pitched, and executed a software upgrade project for production equipment

Technical Skills

Networking: OSI Model, TCP/IP, DNS; DHCP and static addressing, port forwarding, reverse proxies, remote logging

Datacenter Hardware: Experience with fiber optic cabling (multi- and single-mode; OM3 & OM4; LC, ST, & MPO connectors), network taps, KVM switches, cable trunks, and patch panels

Programming/Scripting: Java, HTML and CSS, Kotlin; exposure to Bash, NodeJS, C#, JavaScript, and Python

Virtualization: Proxmox VE, Docker (Docker-Compose, Portainer), VMWare Workstation, Ohio Cyber Range

Linux Distributions: Security Onion, CentOS, Kali, Ubuntu (Desktop and Server), pfSense

Technical Software: AccessData FTK forensic suite, Wireshark, PuTTY, GitHub, Visual Studio Code

Extracurricular Activities

Senior Student Leader, H2O Church, University of Cincinnati

Fall 2020 - Present

Black Belt and Assistant Instructor, Strike Force Karate

Fall 2011 - Summer 2019

Projects

Gaming Computer: Custom desktop computer built from individual components. Each component was carefully researched to ensure compatibility and stay within a tight budget.

Virtualized Home Server: Virtual hardware running a website, online game servers, and other personal projects. Includes a firewall, automated logging, key-based SSH, and many other technical demonstrations. Learn more about this project at my self-hosted website: <https://msdumford.tplinkdns.com>

Available for Summer 2023 | Open to Relocation