

Matthew Dumford
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Work Experience

Altafiber | Cincinnati, OH

May 2024 - Present

Security Analyst

- Reduced technical debt by updating company automation software
 - Migrated 5,500-line codebase from PowerShell to C#
 - Implemented multithreading to increase execution speed and fault tolerance
- Protected company assets by conducting fast and thorough triage in SentinelOne, Microsoft Sentinel, and Splunk
 - Experience with zero-day vulnerabilities and advanced persistent threats (APTs)
- Increased analyst efficiency and reduced false-positive rates with documentation and data-driven tuning decisions
- Increased SOC visibility by gathering threat intelligence and developing new alert queries across multiple SIEM platforms
- Elevated employee security awareness by conducting company-wide monthly phishing simulations
- Empowered data-driven decision-making with metrics dashboards

University of Cincinnati | Cincinnati, OH

May - Dec 2023

Junior Information Security Analyst

- Reduced average triage response times with new Splunk dashboards
- Communicated value to management through executive summaries of CVEs and threat reports
- Added malware analysis capabilities to the SOC by building and documenting a secure virtual sandbox
- Increased team preparedness by creating standard operating procedures for incident response

Cincinnati Insurance | Cincinnati, OH

Jan 2021 - Aug 2022

Various Technical Internships

Clippard Instrument Labs | Cincinnati, OH

May - Aug 2020

IT Intern

Personal Experience & Hobbies

Volunteer Production Coordinator | H2O Church **2024 - Present**

Assistant Instructor | Strike Force Karate **2011 - 2019**

Virtualized Home Server

- Additional technical details available on my self-hosted website
 - <https://msdumford.tplinkdns.com>

ADM-3A Terminal Restoration

- Replaced 5-volt regulator to restore full functionality
- Installed a Raspberry Pi to control the terminal over a serial connection

Education

University of Cincinnati | Cincinnati, OH

May 2024

M.S. in **Criminal Justice**

B.S. in **Cybersecurity**

B.S. in **Information Technology** (Networking Focus)

Technical Skills/Tools

Detection

GoAlert
Microsoft Defender XDR
Microsoft Sentinel
Splunk
Suricata
Tenable.io
Qualys

Response

Abnormal
Cisco Email Security
Cisco Umbrella
CriticalStart
CrowdStrike
KnowBe4
SentinelOne

OSINT

Browserling
CyberChef
IPVoid
VirusTotal

Technical Software

AccessData FTK Suite
Azure Active Directory
Entra ID
GitHub / GitLab
Microsoft PowerBI
PuTTY
Wireshark

Programming

Bash
C#
Java
PowerShell
Visual Studio Code

Networking

DHCP
DNS
OSI Model
Port Forwarding
Remote Logging
Reverse Proxies
TCP/IP