

Mike Fernez

mjf@mjfer.net

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Work History

Information Security Analyst - Adelphi University (2019 - present)

In this role, I was responsible for monitoring and maintaining Adelphi's security posture and worked closely with the lead security engineer and CISO in their daily operations. I served as the main contact for incident response as well as all forensic investigations.

Accomplishments:

- Significantly reduced attack surface by providing data on inactive user accounts and implementing account retirement procedures.
- Assisted with securing the remote workforce during the COVID-19 pandemic. Facilitated policy changes and implementation of an EDR solution.
- Improved and expanded university incident response plans.

Data Entry/Lien Representative - Health Plus Management (2017 - 2019)

I served two roles during my time at Health Plus Management. In the first role, I was responsible for scanning and ensuring accuracy of medical records submitted by partnering hospitals in NY. I was then promoted to work with the legal department on resolving outstanding liens with accident lawyers and their clients.

Math Tutor - Mathnasium (2016 - 2017)

In this part time role, I served as a math tutor in an after-school program for kids K-12. Mathnasium provides tailored curriculums for all skill levels and includes Regents prep.

Research Assistant - Adelphi University (2012 - 2015)

In this role, I worked with Adelphi's Laser Lab coordinator troubleshooting, maintaining, and taking data from optics experiments (specifically in molecular spectroscopy, trace gas detection). [Publication here](#)

Education

Master's Degree: Digital Forensics and Cybersecurity

- John Jay College of Criminal Justice, May 2019

Bachelor's Degree: Physics

- Adelphi University, May 2015

Technical and Vocational skills

Professional knowledge

- Experienced | Cyber Incident Response and Triage
- Experienced | Digital Forensic process
- Experienced | Scripting languages: Bash, Python
- Experienced | Forensic and Data Recovery Software: FTK, Autopsy
- Experienced | Technical Writing/Documentation
- Knowledgeable | Linux system administration
- Knowledgeable | SIEM: Splunk, ELK
- Knowledgeable | Firewall/EDR: Palo Alto, Sophos Central
- Knowledgeable | REST API conventions
- Familiar | IAM services: GSuite, Active Directory
- Familiar | Memory Forensics: volatility

Personal knowledge

- Knowledgeable | Programming languages: C, Python, x86 assembly
- Familiar | Operating systems: Windows, Linux, BSD
- Familiar | Electronics and circuit design: AVR, Arduino, Raspberry Pi
- Familiar | Software Debuggers: GDB, PDB, Ghidra
- Familiar | Amateur music production/composition: Audacity, Muscore, Sonic Pi