M. J. Fernez

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Work History

Information Security Analyst - Adelphi University (2019-)

- Led cybersecurity incident response and threat intelligence to detect and respond to security threats.
- Managed core security platforms including Splunk, MISP, EDR, and developed custom tooling and automation to improve security operations.
- Led enterprise endpoint security initiatives, deploying BitLocker to university assets.
- Regularly engaged with the community and leadership on emerging threats and online safety.
- Led job shadowing program for CS students.

Adjunct Faculty - Adelphi University (2023-)

- CSC171 - Intro to Programming Python (Lab section) (Spring 2023 - Fall 2024)
- CSC 620 - Digital Forensics (Spring 2024-present)
- CSC 190 - CS Orientation Seminar (Spring & Fall 2025)
- CSC 650 - Cybersecurity Concepts (Fall 2025)

Microsoft Exchange Admin - aaronbasha.com / reginebasha.com (2023-)

- Assisted with migration from a compromised email provider.
- Onboarded and managed Microsoft Exchange for employees.
- Provided general IT help desk support to employees when needed.

Earlier Work History

- Data Entry, Lien Representative - Health Plus Management (2017 - 2019)
- Math Tutor - Mathnasium (2016 - 2017)
- Research Assistant - Adelphi University (2012 - 2015) - Publication

Education

Master's Degree: Digital Forensics and Cybersecurity

- John Jay College of Criminal Justice, May 2019
- Fieldwork (for degree completion): Data Visualization with Elastic @ NCFTA, New York Office (2019 - 2022)

Bachelor's Degree: Physics

- Adelphi University, May 2015

Technical and Vocational skills

Professional knowledge

- Cybersecurity Incident Response and Triage
- Scripting languages: Python, Bash, Powershell
- Forensic and Data Recovery Software: FTK, Autopsy
- SIEM: Splunk, ELK
- Technical Writing/Documentation
- Linux system administration
- REST API conventions, web scraping

Personal knowledge

- Programming languages: Python, C, nasm assembler
- Operating systems: Windows, Linux, BSD
- Embedded electronics: AVR, Raspberry Pi
- Music production/composition: Audacity, Musescore, Sonic Pi