

# M. J. Fernez

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## Work History

### Information Security Analyst - Adelphi University (2019 - present)

- Served as the main contact for incident response and digital forensics, maintained and developed the university's SIEM (Splunk), delivered regular threat intel reports to senior IT and executive staff
- Significantly reduced attack surface by researching and implementing account retirement procedures.
- Assisted with securing the remote workforce during the COVID-19 pandemic.
- Improved and expanded university incident response plans.

### Lab Coordinator - Adelphi University (2022 - present)

- Develops and delivers lab exercises for CSC171 - Intro to Programming (Python)

### Microsoft Exchange Admin - aaronbasha.com / reginebasha.com (2021 - present)

- Assisted with migration from a compromised email provider
- Administers and maintains Microsoft Exchange for employees

### 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): Engineered a unique data management and visualization solution in contract with NCFTA, New York Office (2019 - 2022)
- Bachelor's Degree: Physics
  - Adelphi University, May 2015

## Technical and Vocational skills

### Professional knowledge (in order of familiarity)

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

### Personal knowledge

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