

# 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), and generally provided guidance on policy and security software to management
- 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)

### Math Tutor - Mathnasium (2016 - 2017)

### Research Assistant - Adelphi University (2012 - 2015)

- Under direction of Adelphi's Laser Lab coordinator, assisted with troubleshooting, maintaining, collecting, and analyzing data from optics experiments (molecular spectroscopy, trace gas detection). [Publication here](#)

## 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
  - Maintained and developed 2019 - present

### 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

### 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, Muscores, Sonic Pi