

# Gabriel J. Naples

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610-639-6743

## EDUCATION

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**The Pennsylvania State University** · University Park, PA  
*Bachelor of Sciences - College of Information Sciences & Technology*  
Security & Risk Analysis (*Information & Cyber Security*)

Graduation: December 2019

**Cumulative GPA: 3.73**

**Major GPA: 3.87**

### Projects

- G8 & Crime Scene Simulations: Solved analytical crime/terrorism cases with 90% accuracy by analyzing packets of information and facilitating communication between teams.
- Voting Machine Analytical Assessment: Created an analytical assessment outlining 5 substantial risks of DRE voting machines that could impact millions of voters nationally by conducting risk assessments through vulnerability research.
- Log Analysis: Identified network connections based on specific criteria accounting for 0.1% (~10,000) of the total connections contained within over 2GB of log data by creating a log parsing script.
- IP Spoofing: Sniffed thousands of network packets based on specific criteria to successfully respond to ping requests aimed at an inactive server by creating a script that analyzes packet data and forges a malicious packet based on IP addresses and packet types.
- Certificate Authority and PKI: Created a certificate authority to authenticate certificate signing requests made by a web server by using public key encryption to create key pairs and a root certificate.
- Cross-Site Request Forgery: Hijacked a user's cookies to manipulate a social media account by creating a malicious website that forced POST and GET requests based on real requests analyzed in the network traffic.
- Cyber Forensic Cases: Created a criminal case outlining over 15 pieces of incriminating evidence by forensically analyzing thousands of files on a storage device.

## WORK EXPERIENCE

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### Pennsylvania State University

*Learning Assistant (SRA 311: Risk Analysis in a Security Context)*

August 2019 – December 2019

- Assisted students in creating successful analytical assessments by providing in class examples, lecture guidelines, and office hours support for one on one questions and concerns.

### Lockheed Martin

*Cyber Solutions Intern*

June 2019 – August 2019

- Supported development of software to be sold to military contracts by creating a GUI menu design, applying rules-based systems fundamentals to core cyber wargaming functionalities, and creating use-case documentation.
- Created a mini home-security state machine by incorporating multiple sensors and input components with an Arduino micro controller to fulfill design criteria

### Visitation B.V.M. School

December 2014 – August 2017

*Teaching Assistant / Foreman of Maintenance and Floor Crew*

- Resurfaced schools' floors within a 3-month time constraint by leading a team of 5 workers. (*40 hours/week*)
- Engaged over 100 students at after school program by providing tutoring and planning activities (*10 hours/week*)

## SKILLS / AWARDS / INTERESTS

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### Technical/Analytical Skills

- Python (*Self-Taught*), R, Java, HTML (*Self-Taught*), Adobe XD, Invision, SQL, PHP, VMWare, Linux, Public Key Infrastructure, Winhex, FTK Imager, Reg Ripper, Magnet Forensics, Netbeans
- BLUF Analysis, Relationship Diagram, Analyst Notebook, Risk Matrix, Likelihood Scorecard, Systems Analysis

### Awards

- Dean's List (*6/7 Semesters*)

### Clubs/Interests

- IST Honors Society (Gamma Tau Phi)
- Penn State Cheese Club: *Treasurer*
- Penn State Ski Club: *Quebec City Ski Trip*
- Drums (*7 years*)
- Thai Boxing (*2.5 years*)