

# ISPM Resume

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## EDUCATION

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**Carnegie Mellon University**, Heinz College, Pittsburgh, PA May 2020  
Master of Science, Information Security Policy and Management

**Boston University**, Boston, MA May 2012  
Bachelor of Arts, English

## SKILLS & COURSEWORK

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**Tools:** Burp Suite, Ansible, Puppet, Linux, Nmap, Nessus, Metasploit, PuTTY, Wireshark, GPG Encryption, SAS EM, Minitab

**Programming Languages:** Python, Bash Scripting, YAML, CSS, HTML

**Databases:** MySQL, Oracle

**Language:** Chinese Professional Proficiency: HSK Advanced Level 5/6

**Coursework:**

- Security/Technology: Cryptography, Data Mining with SAS, Management Science, Statistics, Network & Internet Security, Network Forensics, Ethical Penetration Testing, Applied Information Assurance
- Management/Policy: Organizational Design, Economic Analysis, Privacy in the Digital Age, Cybersecurity Policy

## ACADEMIC PROJECTS

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**Enron Corpus Search Engine | Python for Developers** Fall 2018

- Utilized agile Scrum methodology to design and develop a search engine that parsed and printed the Enron corpus
- Analyzed the corpus with Natural Language Processing to report on themes and trends in the email collection

**The Industrial Revolution 4.0 | Introduction to Information Security** Fall 2018

- Investigated potential security vulnerabilities in emerging IoT manufacturing WSN and RFID tags
- Reported on IoT technical threats, business risks, and mitigation measures that would ensure successful deployment

**Big Data: Payment Default Patterns | Business Intelligence and Data Mining with SAS** Fall 2018

- Examined open-source Taiwanese credit card information to create supervised prediction models
- Demonstrated how unsupervised clustering techniques could forecast the likelihood of payment default

## RELEVANT EXPERIENCE

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**Salesforce**, San Francisco, CA June 2019 – August 2019

Enterprise Security Engineer, Intern

- Developed and programmed an endpoint security assurance model that aggregated and reported security posture
- Designed a dashboard to auto-populate with security metrics relating to endpoint device state
- Collaborated with team members to compile high risk infrastructure assessment reports to display security posture

**United States Department of State**, Beijing, China October 2015 – June 2018

Vice Consul, Foreign Service, U.S. Consulate

- Developed a regression analysis model to monitor, and report on changing regional fraud trends
- Managed a multi-cultural, tri-lingual team of 12 to execute daily fraud investigations concerning national security
- Created database sharing procedure between the China missions and D.C. to ensure equal access to updated models

**DataData**, Austin, TX November 2014 – October 2015

Domain Expert, Public Sector

- Evaluated and monitored the accuracy of breaking events' data signals to provide clients with real-time awareness
- Initiated research to identify West African insurgency groups' social media activity for information detection

## ADDITIONAL INFORMATION

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**White Hat Society**, Heinz College, Carnegie Mellon University

- Participated in White Hat penetration techniques and exploratory labs

**Technovation**, Pittsburgh Science and Technology Academy

- Mentored and taught high school girls how to code and build mobile applications for an annual competition

**Cyber 9/12 Cyber Policy Challenge**, hosted by Columbia University

- Ranked 5<sup>th</sup>/28 teams focused on creating policy plan under crisis situation