Cyber Threats

INTRO

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- **Parachute Rigger, MP, Security Guard, Computer Repair, Network Engineer, Information Assurance, Cyber**
  - **1997-2013 at G6/DOIM**
  - **2013-2016 at CPT 169/1636 (NGB/Ft. Meade)**
  - **2016-Present at G6**

Definitions

- ## Asset
  - People, property, and information.
- ## Vulnerability
  - Weakness or gap that can be exploited
- ## Threat
  - Anything that can exploit a vulnerability, intentionally or accidentally, and obtain, damage, or destroy an asset.
- ## Risk
  - Likelihood that a threat will exploit a vulnerability.

Ready, Reliable, Responsive, and Relevant at Home and Abroad

Threats

- **Scams**
- **Blackmail**
- **Malware**
- **Identity Theft**
- **Crime**
- **Nation state**

Internet of Things

- **Phones**
- **Appliances**
- **Cameras**
- **Cars**
- **Shodan (**https://www.shodan.io/**)**

- **Hacktivists**
- **Criminals**
- **Nation state**

Self Check

- **Cyber Crime Isn't About Computers: It's About Behavior | Adam Anderson | TEDxGreenville**
  - **https://youtu.be/c_2Ja-OTmGc**
- **Check your e-mail account**
  - **https://haveibeenpwned.com/**

Useful Tools

- **Virus Total**
  - **https://www.virustotal.com/#/home/upload**
- **Malware Analysis**
  - **https://www.hybrid-analysis.com/**
- **Site Reputation**
  - **https://global.sitesafety.trendmicro.com/**
- **Situational Awareness**
  - **https://www.securitywizardry.com/radar.htm**

Recommended Videos

- **Nation State Hackers: Russia cyber strategy vs. China cyber strategy**
  - **https://youtu.be/S-fuZs4krdU**
- **The long history of Russian disinformation targeting the U.S.**
  - **https://youtu.be/1SNNjTpqu4w**
- **USENIX Enigma 2016 - NSA TAO Chief on Disrupting Nation State Hackers**
  - **https://youtu.be/bDJb8WOJYdA**
- **DEF CON 26: Rob Joyce - NSA Talks Cybersecurity**
  - **https://youtu.be/gmgV4r25XxA**
- **DEFCON 15: Johnny Long - No-Tech Hacking**
  - **https://youtu.be/qfFELeCP-oA**