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| **Christopher Schmid** | Fawn grove pa, 17321  Chrischmid32@gmail.com  (717) 209-1229 | |
| **SECURITY CLEARANCE**  **Active Top Secret / SCI**  **EDUCATION**  **Bachelors of Computer Networking and Cyber Security**  **University of Maryland Global Campus, Columbia, Maryland**  Expected Graduation: December 2022  Current GPA: 3.88  **Specialized Training**  \*Denotes graduation with a standing of either 1st or 2nd.   |  |  |  | | --- | --- | --- | | Title 10 Interactive On-Net Operator Course | DOD | 2021-05 | | Splunk Fundamentals 2 | Splunk | 2021-02 | | Splunk Fundamentals 1 | Splunk | 2021-02 | | Chiron CNO Attack & Defend | Chiron | 2020-11 | | Adversarial Threat Modeling and Emulation | Chiron | 2020-10 | | Malware Reverse Engineering | Focal Point | 2020-08 | | Assembly for Reverse Engineering | Focal Point | 2020-07 | | Offensive Security Certified Professional | Offensive Security | 2020-04 | | Hunt Methodology and Practices | FireEye | 2020-02 | | Joint Cyber Analytics Development Workshop | MITRE | 2019-12 | | \*Cyber Threat Emulation | NIOC | 2019-05 | | \*Intermediate Cyber Corp | NIOC | 2019-01 | | \*Cyber Security Technician | USMC | 2017-04 | | \*Information Technology and Cyber Network Systems | USMC | 2016-08 | | \*Telecommunication Systems | USMC | 2012-03 |   **Contributions**  -Added Berkley Packet Filter support to SnappyCap of PacketTotal Labs.  -Presented research of "User Access Control" bypass techniques at the December 2019 MITRE Joint Cyber Analytics Development Workshop and offered a potential analytic that could be used for detection. The analytic has since been published to their analytics database.  -Coached, trained, and led community members from more than 20 nations, universities, and governmental departments during a legion of Red vs. Blue exercises.  -Research conducted during a named operation led to the discovery and confirmation of adversary activity upon high-value target systems.  -Led the development of an automated attack vector identification tool used to prioritize 81 CPT hunt efforts (can be found on GitHub as TireFire).  -Wrote Aggressor scripts in sleep (language) to automate on-net actions and python scripts to generate redirector infrastructure in Cobalt Strike.  **EXPERIENCE**  **Cyber Threat Emulation Specialist**  October 2017 to Present  Department of Defense, Columbia, Maryland  -Discovered an original technique to bypass Windows Defender by utilizing Shell7er, PowerCat, and ZoomRooms.exe. This exploit is currently being used to train new members of the team on analytics creation.  -Developed a series of PowerShell and Python scripts to query object architecture information from the ntds.dit file of a domain controller, which filled a time-sensitive, engagement-specific requirement of a forward-deployed cyber hunt team.  -Added to the internal cyber range capabilities by building intentionally vulnerable machines of various operating systems and exploiting them to train analysts.  -Created a course with labs to summarize the essentials of what an analyst must know about how active directory functions, what some of the most common misconfigurations oriented vulnerabilities are, and what they look like when conducted.  -Supported a forward-deployed hunt-forward team via research and Python automation to identify each possible Tor Browser Ja3 Signature from 2007 to 2020.  -Supported a forward-deployed hunt-forward team via analysis and contribution of scalable identification techniques of modern Russian malware ComRat v4.  **Cybersecurity Technician**  March 2015 to October 2017  Department of Defense, Jacksonville, North Carolina  -Designed, constructed, and maintained the forest root domain and logical ISP for the Marine Corps North Carolina tactical networks enabling a secure, resilient, and scalable system for units performing operations or training to connect.  -Engineered networks often involving four or more physical sights and over 1200 endpoints  for training and operational engagements.  -Built and maintained secure Windows 10 and Server 2016 baseline images distributed to all tactical Marine Corps units in North Carolina.  -Ensured compliance by conducting regular assessments at remote sites and continually performed security monitoring, incident response, and affable coaching.  -Formal and informal classes were persistently given over a vast array of technical disciplines to increase the proficiency of the network operators, domain administrators, and the voice team in addition to the organization's overall increase of effectiveness.  -The combined knowledge of VOIP and firewall functionalities led to the first successful implementation of tactical VoSIP in the Marine Corps, which increased the unit's security posture and the entire Marine Corps.  **Voice Systems and Network Administrator** March 2013 to March 2015  Department of Defense, Ft. Urasoe, Okinawa Japan | | **Certifications**  CISSP  A+ IT Technician  Network+  Security+  CCENT  CCNA  CCNA Voice  OSCP (Trained)  **Hard Skills**  Active Directory Hunting  Bash Scripting  Cisco Networking  Cobalt Strike  Cyber Threat Emulation  Incident Response  McAfee ePolicy Orchestrator  Network Engineering  Network Information Security  OSCP Trained  PowerShell Scripting  Python Scripting  Security Center  Sleep (Cobalt Strike Automation)  UNIX/Linux OS  VMWare Administration / ESXI  Vulnerability Assessment  Windows Engineering  Windows Server 2003-2019  Windows XP-10  **Soft Skills**  Coaching/Teaching  Critical Thinking  Detail Oriented  Problem Solving  Leadership via Example  **Availability**  April 2021  **GitHub**  <https://github.com/CoolHandSquid>  **Special Skills**  -Captain of High School Football team and currently holds records for most rushing yards attained in a single season and a career (1162, 2187).  -Captain of High School Wrestling team and is tied for the mark of fifth-most wins in the school's history (104).  -Recipient of 2012 Lancaster County PA "Distinguished Athlete" award.  -Meritorious graduate from Marine Corps boot camp.  -2nd place finish in 2019. AvengerCon Hacking Contest  -Hack The Box level, Hacker (CoolHandSquid).  **Udemy**  **2021**  SQLite Integration to Python  Git Crash Course  Vim Masterclass  Chrome Extension Builder  Windows Privilege Escalation  -Heath Adams  Windows Privilege Escalation  -Tib3rius  Advanced SSH Usage  **TryHackMe**  **2021**  Web Fundamentals Path |
| -Consistently by-name requested to perform technical classes between missions, and aid in troubleshooting during missions, for a multitude of VOIP and network technologies, including Cisco Unified Communications Manager, Cisco Call Manager Express, and the Marine Corps Deployable End Office Suite for the communications teams throughout the island of Okinawa.  -Made an executive engineering decision during an operation to temporarily stand up a Call Manager Express to service over 150 endpoints immediately after the hardware failure of two physical servers hosting a cluster of Cisco Unified Call Managers. The actions maintained the service for the mission with minimal downtime until the hosts could be replaced. | |  |