



ISSA
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Monthly Meeting
May 22, 2024

Central Maryland Chapter Sponsors:
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New Central Maryland Chapter Sponsor



The Global Leader for Insider Risk Management

DTEX Systems is the global leader for insider risk management. We empower organizations to prevent data loss and support a trusted workforce by proactively stopping insider risks from becoming insider threats.

How do we do this? By consolidating the essential elements of Data Loss Prevention, User Behavior Analytics, and User Activity Monitoring in a single light-weight platform to detect and mitigate insider risks well before data loss occurs. Combining AI/ML with behavioral indicators, DTEX enables proactive insider risk management at scale without sacrificing employee privacy or network performance.

DTEX InTERCEPT is a scalable, cloud-native platform. Through its patented and privacy-compliant metadata collection and analytics engine, the DTEX platform surfaces abnormal behavioral “indicators of intent” to mitigate risk of data and IP loss, enabling SOC enrichment with human sensors and empowering enterprises to make smarter business decisions quickly.

<https://www.dtexsystems.com/>

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<https://leidos.com>

Leidos is an innovation company rapidly addressing the world's most vexing challenges in national security and health. We collaborate to create smarter technology solutions for customers in heavily regulated industries.

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ISACA

CompTIA

Certification Continuing Education Units

Responsibility of each member to submit their CEUs

Certificate of Attendance available upon request

EC-Council

SANS

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ISSA Member Benefits

List of special offers available to members. You will need to login with your member portal credentials to access this page.

<https://www.members.issa.org/page/SpecialOffers>



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ISSA Special Interest Groups

<https://www.members.issa.org/general/custom.asp?page=ISSASpecialInterestGroups>

ISSA has many opportunities for members to form and participate in global initiatives and working groups. As a member, you can choose to be active in one or more of these Special Interest Groups (SIG).

Women in Security Special Interest Groups

Mission: Develop global women leaders and build a stronger community to create a compelling environment around cybersecurity and technology.

Privacy Special Interest Group (SIG)

This group is dedicated to providing privacy relevant topics to security professionals through thought leadership and a knowledge-sharing platform. The Privacy SIG will be hosting quarterly webinars and providing concise and timely privacy-related information.

Cyber Resilience Special Interest Group (SIG)

Mission: Build a global community of Cyber Resilience professionals in order to share actionable best practices to protect our organizations from cyber-attacks on high value assets.

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Free Security Training

- **Fortinet - Advanced training for security professionals, Technical training for IT professionals, and Awareness training for teleworkers:**
<https://www.fortinet.com/training/cybersecurity-professionals.html>
- **Cambridge - Software and Security Engineering:**
<https://www.cl.cam.ac.uk/teaching/1920/SWSecEng/materials.html>
- **Palo Alto Network - Free Cybersecurity Education for ALL:** <https://www.linkedin.com/pulse/free-cybersecurity-education-all-florian-buijs/>
- **6 Free Cybersecurity Training and Awareness Courses:**
<https://www.darkreading.com/threat-intelligence/6-free-cybersecurity-training-and-awareness-courses/d/d-id/1337781>
- **Cybrary Makes 500+ Hours of Premium Training Content Free to Address Cybersecurity Skills Shortage:** <https://www.cybrary.it/blog/500-hours-free-content-to-address-cybersecurity-skills-shortage/>

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GitHub - cloudcommunity/Free-Certifications: A curated list of free courses & certifications.

A curated list of free courses & certifications. Contribute to cloudcommunity/Free-Certifications development by creating an account on GitHub.

github.com

https://github.com/cloudcommunity/Free-Certifications?utm_source=tldrnewsletter

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Free AI Courses



Paul Storm on LinkedIn: #ai #digitaltransformation
#technology #future | 595 comments

Google, Harvard, and more are offering FREE AI courses (no payment required) Here are 8 FREE courses to master AI in 2024: 1. Google AI Courses
Google... | 595 comments on LinkedIn

www.linkedin.com

https://www.linkedin.com/feed/update/urn:li:activity:7191104047788032001?updateEntityUrn=urn%3Ali%3Afs_updateV2%3A%28urn%3Ali%3Aactivity%3A7191104047788032001%2CFEED_DETAIL%2CEMPTY%2CDEFAULT%2Cfalse%29

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FREE Cyber Security Certifications/Training

- 1. [Introduction to Cybersecurity](#)
- 2. [Cybersecurity Essentials](#)
- 3. [Networking Essentials](#)
- 4. [Intro to Information Security](#)
- 5. [Network Security](#)
- 6. [NSE 1,2 & 3](#)
- 7. [Information Security](#)
- 8. [Network Security](#)
- 9. [Risk Management](#)
- 10. [Certified in Cybersecurity](#)
- 11. [CCNA Security Courses](#)
- 12. [Network Defense Essentials \(NDE\)](#)
- 13. [Ethical Hacking Essentials \(EHE\)](#)
- 14. [Digital Forensics Essentials \(DFE\)](#)
- 15. [Dark Web, Anonymity, and Cryptocurrency](#)
- 16. [Digital Forensics by Open Learn](#)
- 17. [AWS Cloud Certifications \(Cybersecurity\)](#)
- 18. [Microsoft Learn for Azure](#)
- 19. [Google Cloud Training](#)
- 20. [Android Bug Bounty Hunting: Hunt Like a Rat](#)
- 21. [Vulnerability Management](#)
- 22. [Software Security](#)
- 23. [Developing Secure Software](#)
- 24. [PortSwigger Web Hacking](#)
- 25. [RedTeaming](#)
- 26. [Splunk](#)
- 27. [Secure Software Development](#)
- 28. [Maryland Software Security](#)
- 29. [Cyber Threat Intelligence](#)

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Upcoming Summits



Summit & Training events provide an immersive training experience that arms attendees with deep-knowledge and actionable information and has a lasting impact on their careers and their organization's security programs. <https://www.sans.org/cyber-security-summit>

Event	Location	Dates
Ransomware Summit	Virtual	Summit: Friday, May 31
ICS Security Summit & Training	Orlando, FL & Virtual	Day 0: June 16 Summit: June 17-18 Training: June 19-24
Neurodiversity in Cybersecurity Summit	Virtual	Summit: Thursday, June 27
SSA Managing Human Risk Summit 2024	Norfolk, VA & Virtual	Summit: Jul 29-Aug 7
Digital Forensics & Incident Response (DFIR) Summit & Training	Salt Lake City, UT & Virtual	Summit: Aug 22-23 Training: Aug 24-29
CloudSecNext Summit & Training	Denver, CO & Virtual	Summit: Sept 30-Oct 1 Training: Oct 1-7

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Free Training in AI courtesy of NVIDIA.

1. Generative AI Explained - • Generative AI and how it works. • Various Generative AI applications. • Challenges and opportunities in Generative AI - Link: <https://lnkd.in/gTAJ-sKa>
2. Building A Brain in 10 Minutes - • Exploring how neural networks use data to learn • Understanding the math behind a neuron - Link: <https://lnkd.in/gvVrqwZF>
3. Augment your LLM with Retrieval Augmented Generation - • Basics of Retrieval Augmented Generation • RAG retrieval process • NVIDIA AI Foundations and RAG model components - Link: <https://lnkd.in/g8hYube9>
4. AI in the Data Center - • AI use cases, Machine Learning, Deep Learning, and their workflows. • GPU architecture and its impact on AI. • Deep learning frameworks, and deployment considerations - Link: <https://lnkd.in/gvNzawxe>
5. Accelerate Data Science Workflows with Zero Code Changes - • Learn benefits of unified CPU and GPU workflows • GPU-accelerate data processing and ML without code changes • Experience faster processing times - Link: <https://lnkd.in/gRmxxVn8>
6. Mastering Recommender Systems - • Strategies from Kaggle Grandmasters on building recommendation systems for e-commerce. • Cover 2-stage models, candidate generation, feature engineering, and ensembling - Link: <https://lnkd.in/gdHTJbVS>
7. Networking Introduction - • Learn about networks and their importance. • Explore Ethernet basics and data forwarding in Ethernet networks. • Discuss network components, requirements, OSI model, TCP/IP protocol - Link: https://lnkd.in/gqX2CJM_u
8. How to Perform Large-Scale Image Classification - • Learn large-scale image classification • Cover challenges, modeling techniques AND validation strategies. - Link: <https://lnkd.in/gWRSha8P>



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DEFENSE, IT, CYBER, INTEL, CI & FS POLY HIRING FAIR

CI or FS Polygraph Is Preferred
but not mandatory to attend



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ISSA Central MD 2023 Meetings and Events

Date	Speaker	Organization	Topic
May 22, 2024	Herman Cowart	Paradoxical Security LLC	Navigating the New Frontier: Penetration Testing in the AI/ML Era
June 26, 2024	Phillip Payne	Cybersecurity & Information Systems Information Analysis Centers (CSIAC)	Jumpstarting your Research with the DoD Cybersecurity & Information Systems Information Analysis Centers (CSIAC)
July 24, 2024	Amy Hamilton	DOE	Internet of Things
August 28, 2024	Bradley Williams	Sonicwall	

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June 26, 2024

Phil Payne, CSIAC Technical Lead

Philip Payne is the CSIAC Technical Lead. Mr. Payne (CISSP and Security+ Certified) comes from a rich background of Cyber Security with the US Army C5ISR center (formerly CERDEC) and possesses a BS and MS in Computer Engineering from Johns Hopkins University and Polytechnic University respectively. At the C5ISR center, he led a world class Cross Domain Solution (CDS) Lab. Within the lab, he performed Cross Domain Solution (CDS) lab-based security assessments on Army CDSs going through the Secret and Below Interoperability (SABI) CDS Certification and Accreditation Approval process. He was a key member of the INFOSEC Branch, which has made a myriad of contributions in the Cyber Space for the DoD at large. At SURVICE Engineering he served as a vital member of the Cyber R&D team as Senior Cyber Security Engineer supporting the Data Analysis Center (formerly AMSAA) on early acquisition Cyber Security Assessments for Army Systems.

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June 26, 2024

DoD Information Analysis Centers

The DoD Information Analysis Centers are comprised of the Defense Systems (DSIAC), Homeland Defense & Security (HDIAC), and the Cybersecurity and Information Systems Information Analysis Centers (CSIAC). This session will discuss services available to federal government users and their contractors to foster collaboration and innovation across departments.

In this session will cover:

- Technical Inquiry services
- Access to analysts
- Subject Matter Experts
- Research Digests
- Voice of the Community highlights
- State-of-the-art Reports – in depth, peer-reviewed reports released bi-annually.
- Scientific and Technical Information Collection (Library)
- DoD funded for government users, including access to DTIC's Research & Engineering Gateway.

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Herman Cowart, Founder & Chief Executive Officer Paradoxical Security LLC

Herman Cowart is an accomplished cybersecurity professional with over 15 years of experience in offensive security. As the Founder and owner of Paradoxical Security and Penetration Testing Program Manager as a government contractor, he specializes in leading comprehensive Red Teaming and penetration testing programs for network, web applications, and many other forms of offensive security. His expertise extends to developing custom security tools in Python, C, C++, C#, and Assembly, as well as mentoring a robust team to effectively identify and mitigate zero day vulnerabilities.

With a distinguished military background in the U.S. Army's Information Technology sector, Herman brings a strategic and tactical approach to cybersecurity. He holds many GIAC certifications such as the Mobile Device Security Analyst, Certified Penetration Tester, and Web Application Penetration Tester and has been recognized with awards such as the Presidential Service Badge in support of the White House Communications Agency. Herman is passionate about technology and is committed to fostering knowledge through his work at Paradoxical Security, and his various community-engaged tech projects.

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Navigating the New Frontier: Penetration Testing in the AI/ML Era

As we enter a new era of technological innovation, startups are increasingly harnessing artificial intelligence (AI), machine learning (ML), and Large/Small Language Models (LLMs/SLMs) to accelerate their application development processes. This presentation, “Navigating the New Frontier: Penetration Testing in the AI/ML Era,” focuses on the double-edged sword these technologies present to cybersecurity. While AI/ML can dramatically speed up development and bring sophisticated capabilities to applications, they often do so at the expense of security, embedding potentially severe vulnerabilities into new software.

The talk delves into how startups may neglect rigorous security protocols, thereby increasing the prevalence of insecure coding practices. We will explore specific cases where the push for innovation has led to significant security oversights, resulting in a heightened risk of zero-day vulnerabilities. The presentation will highlight the crucial role that penetration testing must play in this evolving landscape, adapting to not only identify but also mitigate the unique vulnerabilities introduced by AI-driven development.

Additionally, we will discuss the strategic importance of incorporating security at the foundational level of application design and argue for a paradigm shift in startup cultures—from a focus on speed to an equal emphasis on secure innovation. Attendees will gain insights into the complexities of securing AI/ML-driven applications and learn about the latest methodologies in penetration testing that are essential for protecting against the next generation of cyber threats.

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