



ISSA
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Monthly Meeting
January 22, 2025

Central Maryland Chapter Sponsors:
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IOActive[®]

IOActive approaches security from the attacker's mindset. Whether infiltrating software, hardware, networks or human resources, our consultants uncover the weaknesses in your operations. We combine the latest security research with our time-tested techniques to provide critical security services, as penetration testing and red team services for the full stack, to meet your business goals and strengthen security resiliency.

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ISSA Central MD Welcomes DTEX Systems as a Chapter Sponsor

DTEX



**We formed DTEX to address the most vulnerable element in cybersecurity:
The human element ."**

From day one we've been pioneering new ways to address and prevent insider risks from becoming threats by applying AI/ML with behavioral indicators to enable proactive insider risk management at scale without jeopardizing privacy or performance.



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CISSP

Study Group

CISSP Study Group presented by ISSA Central MD

Norseman Defense Technologies | 10981 Guilford Rd | Annapolis Junction, MD 20701*
Each Tuesday at 5:00 PM -8:00 PM (EST), February 17, 2025 -May 19, 2025

Why attend?

Gain credibility as a security expert.

Become a more marketable/hirable candidate.

Become/remain contractually compliant (DoD 8570.01 Manual / DoDD 8140)

Improve IT security skills and enhancing productivity.

Save money over “boot camp” style courses.

Our Study Group fosters a learning environment to better absorb and understand the material.

This is much better than the alternative of cram it in and regurgitate it on a test immediately following.

Our approach simply makes the information more useful and easier to interpret!

You can attend each session in-person in Columbia, MD, or attend virtually on line. Your choice.

Meals are included each night for in-person sessions

Bonus: Pass your exam within 6 months; get a free year of ISSA membership on us!

Cost: just **\$450**

(+ **EventBrite Fees** – approximately \$32.02)

Sponsors:

(Employees of annual chapter sponsors are eligible for a 25% discount. Please contact Kevin Newman at email below)



More info or registration available at: <https://issa-centralmd.org>
or contact Kevin Newman (v_p_education@issa-centralmd.org) directly.



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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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FutureCon Baltimore CyberSecurity Conference

Thursday, February 13th, 2025

8:00 am – 5:00 pm

LIVE @ The BWI Airport Marriott Hotel

Keynote Speaker

Anne Marie Zettlemyer - Chief Security Officer | Fellow | National Security Institute

FutureCon is Offering ISSA Members a *Free In-Person VIP Pass*

Full day ticket includes CPE Credits, All Sessions, CISO Panel, Networking,
Breakfast, Lunch, Happy Hour, Raffle Prizes and More (\$200 Value)

[REGISTER HERE](#)

Please use promo code ***CMISSA*** to register for a free full day pass

*no students, recruiters, marketing, vendors, sales or independent consultants, must be an employed IT professional

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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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<https://www.linkedin.com/feed/update/urn:li:activity:7282758023205310464/>

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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
<u>Cyber Threat Intelligence Summit & Training</u>	Alexandria, VA & Virtual	Summit: Jan 27-28 Training: Jan 29 - Feb 3
OSINT Summit & Training	Arlington, VA & Virtual	Summit: February 24-25 Training: February 26 - March 3
Cybersecurity Leadership Summit	Free Virtual Summit	Summit: Thursday, April 24
Ransomware Summit	Free Virtual Summit	Summit: Friday, May 30
ICS Security Summit & Training 2025	Orlando, FL & Virtual	Summit: June 16-17, 2025 Training: June 18-23, 2025

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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/gqX2CJMu>
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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ISSA Central MD 2023 Meetings and Events

Date	Speaker	Organization	Topic
January 22, 2023	Ilker Adiyaman	IOActive	Hacking LLM: Attacks & Defenses Against Large Language Models
February 26, 2025	Jeremy Vaughan	Start Left Security	If our developers are the first line of defense, why do we put them last?

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February 26, 2024

Jeremy Vaughan, CEO-Start Left Security

As the CEO and co-founder of Start Left® Security, he's deeply passionate about ensuring software is built securely from the ground up. Jeremy built Start Left® Security to empower teams with an all-in-one, gamified security program – it's like having a Chief Product Security Officer (CPSO) by your side, guiding and protecting every step of the way. Start Left®'s multi-patented, AI-driven platform goes beyond a compliance checkbox. Start Left® Security is a proactive shield, offering comprehensive security insights and exposure management across your entire product lifecycle.

Jeremy's mission is to empower developers to build secure products with confidence. His goal is to provide innovative solutions that integrate seamlessly with DevOps workflows, eliminating friction and fostering a culture of security within development teams.

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February 26, 2024

If our developers are the first line of defense, why do we put them last?

With a visionary perspective on the pivotal role of developers in safeguarding digital ecosystems, Jeremy Vaughan will delve into the paradox of why, despite being the first line of defense, developers are often overlooked or undervalued in cybersecurity strategies. Drawing from extensive experience and industry insights, he will challenge traditional notions, advocating for a paradigm shift that places developers at the forefront of cybersecurity initiatives. In this thought-provoking session, Jeremy will explore the critical importance of empowering developers with the necessary tools, training, and resources to effectively mitigate cyber threats from the onset of the development process. Through compelling anecdotes and practical strategies, attendees will gain invaluable insights into how prioritizing developers as key stakeholders that can fortify organizational defenses and foster a culture of security by design. Don't miss this opportunity to learn from a trailblazer who is redefining the cybersecurity landscape by championing developers as the frontline guardians of digital resilience.

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Ilker Adiyaman, IOActive

Ilker Burak Adiyaman is a Security Consultant at IOActive. He has more than 15 years of industry experience and has a proven track record of accomplishments on web engineering and security testing. During his professional experience, he worked with companies in Turkey and in US, gained significant experience on secure code development using multiple programming languages, web security testing and acquired skills on application and network security.

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January 22, 2025

Hacking LLM: Attacks & Defenses Against Large Language Models

This talk will focus on defining what LLM is. Take a look at the OWASP top 10 for LLM, then dive into Prompt Injection and how attackers use prompts to make the model ignore its original instructions to perform unintended actions.

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