Benjamin Rader

Aspiring Cybersecurity Engineer

◆ Innovating secure solutions for tomorrow's cyberspace ◆

Experience

OPENLANE (F/K/A KAR GLOBAL) | Information Security & Data Privacy
May 2021 – Current | Carmel, IN

Information Risk, Log Management & SIEM
- ➔ Led the revamp of our log management & SIEM architecture and processes, achieving an initial annual cost reduction of $300k while improving log utility and quality essential to threat detection capabilities and the operation of many teams.
- ➔ SIEM-based detection engineering: pinpointing exploitation attempts, analyzing complex network activity, identifying user behavior anomalies, and leveraging advanced analytical methods and models to detect threats.
- ➔ Conducted a comprehensive risk assessment of workstations using DISA and CISA benchmarks and developed actionable steps to harden our endpoints at scale.
- ➔ Developed a system to integrate cloud asset and vulnerability management with our threat intelligence platform, enhancing data correlation and utility.

Data Privacy & Other
- ➔ Executed data privacy tasks including GDPR ROPAs, database integration, cookie consent reporting, and data mapping. Simplified privacy concepts into core data actions and improved privacy notice processes.
- ➔ Developed an innovative process for our procurement team during a difficult acquisition period. Saved company resources, streamlined procedures, and fostered cross-departmental collaboration with low costs in under 2 months.

Projects & Hobbies

GRADSCHOOL PROJECTS | Pentesting, Programming, NetSec, Threat Modeling
2022-2023
- ➔ **Semester 1 & 2:** Clever methods for home network security monitoring, targeted password cracking comparing GPT-based generation and other methods, automating cyber deception in databases with Canarytoken implants, and a framework that maps personal security hygiene to business cyber resilience.
- ➔ **Semester 3:** The ultimate framework for cost-effective centralized threat detection systems, purple teaming with password sprays and honey user accounts in Azure with Windows AD, and methods for securely exposing services to the public internet.

UNDERGRAD PROJECTS | Static Code Scanning, Data Analytics, App Architectures
2021-2022
- ➔ **Pose and Exercise Classification System for Mobile applications:** Led the development of the first (known) system, which can use a phone camera to learn, classify, and count exercises from any angle or distance.
- ➔ **Benchmarking Static Application Security Testing (SAST) Tools:** Benchmarked ~14 SAST (code scanning) tools. Learned how it operates and what future developments will look like.

CYBERSECURITY | Web Applications, Open-Source Projects, Tools
- ➔ **Cybersader.com -** a collection of my work, plans, knowledge base, cyber blog, and large-scale problems I'm trying to solve.

Skills

TECHNICAL SKILLS

Proficient
Data Engineering & Analytics • Scripting • SIEM • Process Design • Knowledge Mgmt

Experienced
OSINT • Network Security • OS & Virtualization • AppSec • IAM • Programming & Development

Familiar
Malware Analysis • Digital Forensics & Incident Response

TOOLS/PLATFORMS
Splunk, Sentinel, Wireshark, Snort, Excel, Python, JS, Linux/Unix CLI, Powershell, Docker, Ubuntu, Kali, VMware WP, VBox, AWS, Azure, VMware Cloud, Postgres, Oracle, GitHub, Velociraptor, Nmap, Burp, Checkmarx, Rapid7, Cybereason, Orca, Metasploit

COURSEWORK

Networking • Network Security • Programming(4) • Wireless Security • Risk Assessment • Applied Data Analytics • Secure Coding • Cloud Security • Digital Forensics • Database Security (2) • SIEM • Cyber Deception & Purple Teaming

Education

IUPUI
Master's in Cybersecurity and Trusted Systems
Fall 2022 - Dec. 2023 | Indianapolis, IN
Extracurricular:
- Cybersecurity@IUPUI (Club)

UNIVERSITY OF INDIANAPOLIS
Bachelor's in Computer Science
2018 - 2022 | Indianapolis, IN | GPA 3.8
Extracurricular:
- National Runner-Up (NCAA Diving), Diver of the Year • President of a Student Org