Joey Perme

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Professional Experience

NetSPI
October 2024 - Present

Senior Security Consultant

- Assess the security posture of hardware (IoT/OT, ATMs, smart/medical devices) as main service line.
- Additionally, assess Thick Applications, AI applications, and execute Threat Model engagements.
- Prepare professional client reports detailing technological capabilities, findings, and remediation.
- Provide technological consultation and recommendations for mitigation and remediation.
- Mentor and develop junior employees with both informal training and assessment assistance.

Microsoft (Laid off)
April 2024 - October 2024

Security Engineer

- Performed threat model reviews on new government cloud technologies and cloud build-outs
- Developed in-house pipeline tools for automated security testing & analysis.

BitSight
November 2023 - April 2024

Vulnerability Researcher

- Performed technical research on exploitation and detection of contemporary n-day vulnerabilities.
- Developed capabilities to test vulnerability of internet targets with no impact to uptime or status.
- Authored scripts and software changes to improve research team's productivity.

Amazon
August 2023 - November 2023

Security Engineer, Offensive Security Penetration Testing

- Proactively penetration tested web applications serving both internal and external customers.
- Tested internal tooling, authN/authZ mechanisms, and public-servicing web applications.

Nuro (Laid off)
November 2021 - May 2023

Security Engineer (Offensive Security)

- Assessed multiple generations of autonomous vehicle fleet for novel vulnerabilities.
- Designed and refined team's testing gear for on-site autonomous vehicle security assessments.
- Delivered PoCs for novel exploits, conveying impacts to security, safety, and perception of safety.
- Provided and drove expert remediation to cross-org stakeholders throughout the company.
- Performed site visits to secure physical presence of offices and bots prior to commercialization.
- Executed threat observation assessments, detailing operational risks and guidelines for deployment.

Hobbies & Skills

Hardware Hacking Lab
Ongoing

- Regularly acquire new & used hardware for disassembly and analysis.
- Discovered multiple 0-days in consumer hardware touching both personal and public infrastructure.
- Regularly communicate with hardware security teams to remediate discovered vulnerabilities.
- Tutor and educate up-and-coming security professionals on the basics of hardware and other hacking.

Education, Certifications, & Awards

University of Dayton

Master of Computer Science, 3.833 — December 2019

Bachelor of Science, Computer Science, 2.918 — May 2016

Outstanding Service to the Department – University of Dayton CPS Dept.

Given to the student who goes above and beyond to help the department and the students. May 2016