Jared Stemper

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EXPERIENCE

Security & Privacy Risk Consulting Associate   Jul 2021 - Present

RSM US LLP; Chicago, IL

- Performed **red team, network,** & **physical penetration** exercises as a technical lead of the close access and network exploitation teams.
- Mentored and led testing across **web application**, wireless network, & social-engineering (phishing/vishing) assessments.
- Developed **Python** and **Tmux** automation framework to streamline **network penetration testing** organization & automating attacks; reducing start-up time by 85% for testers.
- Built modular scanner and reporting utility with **Python** and **Docker** to asynchronously run security tooling, including **AWS** configuration and code review, before consolidating output into standardized findings for reporting.
- Created a long-range **RFID** badge cloner using microcontroller devices with live credential reading through a **Raspberry Pi** wireless AP.
- Provided actionable remediation recommendations to client executives by delivering breach vector reports, enabling risk reduction & minimizing liability exposure for Fortune 10 technology companies, Fortune 500 financial institutions, & private clients.

Software Security Intern   May 2020 -Dec 2020

Synopsys; Bloomington, IN

- Automated AB-testing analysis through **Python** report comparison, resulting in a 40% reduction in manager analysis time.
- Aggregated assessment data across Netsparker, AppScan, & **BurpSuite** through **Jira** & **PostgreSQL**, facilitating tracking of vulnerability trends.
- Designed & implemented an automated Tableau storyboard for senior managers & C-level to track trends across assessments.

Penetration Security Consulting Intern   Jun 2019 – Aug 2019

RSM US LLP; Chicago, IL

- Performed assisted network and web application penetration testing on client engagements.
- Developed Visual Basic macros & Python scripts for automating drafting/draft handling in Excel.
- Measured client compliance within NIST CSF assessments through direct communication with key stakeholders.

Undergraduate Instructor: Python Programming   Sep 2018 – May 2021

Indiana University; Bloomington, IN

- Developed & maintained Python scripts to facilitate autograding of 200+ students.
- Led and assisted instruction for student groups of 20-45 through 55 exercises & labs regarding Python.

TECHNICAL SKILLS

Certifications: SANS GPCS, CompTIA CySA+

Security: Red Team, Internal/External Network, Web Application, Physical, & Social Engineering Penetration Testing

Languages: C/C++, Python, SQL, JavaScript, HTML/CSS, Unix Bash

Miscellaneous: AWS, Docker, Containerization, Linux, Tenable Nessus, Forklift-certified

EDUCATION

Indiana University, Bloomington, IN   2017 - 2021

Bachelor of Science in Computer Science, Minor in Mathematics   Specialization: Cybersecurity

Relevant Coursework: Data Structures, Machine Learning, Databases, Networking, C & Unix, Linear Algebra

PERSONAL DEVELOPMENT/PROJECTS

[mux](#)   2023-Present
- Orchestration and automation tool developed to support efficient and consistent internal network penetration testing.

[Metasploitable2 through Docker](#)   2021
- Developed a docker network connecting a Kali OS to a Metasploitable2 OS to facilitate pen testing practice.

[Tor Browser Fingerprinting Testing](#)   2019
- Measured comparative data sets to determine Tor browser's anti-fingerprinting capabilities and developed an algorithm to overcome it.

VOLUNTEERING

#HashtagLunchbag Volunteer   2022 - 2024
- Packed lunches to help prepare meals for Pacific Garden Mission homeless shelter.