

Joseph Bartholdi

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Cyber Security Analyst

PROFESSIONAL SUMMARY

Aspiring Cyber Security professional with practical experience gained through internships at PKF O'Connor Davies' Cyber Security Advisory Team and Major League Baseball's Information Security Team. Through these roles, I have cultivated a strong foundation in cyber security principles, vulnerability assessments, and implementing security measures to protect digital information. I contributed to enhancing security frameworks and supported critical security audits, showcasing my ability to apply theoretical knowledge in real-world settings. Eager to bring a proactive approach and collaborative spirit to address cyber threats, I aim to leverage my hands-on experience and innovative perspective to contribute to the safety and integrity of your organization's information systems.

Areas of expertise include:

- Project Management
- Password Hash Cracking
- Python Automation Scripting
- NIST Risk Assessments
- Linux Cyber Tools
- Web Application Building

TECHNICAL SKILLS

Applications: Visual Studio Code, PDQ Inventory, Hak5 tools, Wireshark, Metasploit, Sumo Logic, Asana, Rapid7, Confluence, Github, Microsoft Windows Excel

Languages: Python, HTML and CSS, VBA, Javascript, Java, CiscoOS, Shell Script, Node.JS, Flask, SQL

Infrastructure: Windows, Linux, AWS

WORK EXPERIENCE

PKF O'Connor Davies, Harrison, NY

June 2023 - March 2024

Intern - Cyber Security Advisory Team

Joined PKFOD as a summer intern and swiftly demonstrated exceptional aptitude in cybersecurity, leading to an extension of roles and responsibilities beyond typical intern duties. Initially tasked with observing live penetration tests, testing new applications, and basic documentation, my performance led to expanded responsibilities and active involvement in various cybersecurity initiatives. Collaborated with a team of cybersecurity professionals nationwide to ensure the security of PKFOD's rapidly expanding operations.

- Developed a Python automation script for Hashcat, featuring a user-friendly GUI for efficient password hash cracking, supporting multiple wordlists and hash types. It includes real-time Microsoft Teams alerts and organizes results in timestamped files for easy analysis.
- Led the production of an in-house hash cracking rig, achieving equivalent performance to a high-speed AWS server at a fraction of the cost. This project, integrated with a custom Python script for enhanced operation and remote access, significantly reduced our cybersecurity team's operational expenses.

Major League Baseball, New York, NY

June 2022 - August 2022

Intern - Information Security

Selected as an information security intern at Major League Baseball and was tasked with enhancing the organization's cybersecurity measures. My responsibilities encompassed managing user permissions to ensure secure access control, crafting custom scripts to automate critical security processes, developing and maintaining essential security documentation, and engaging in application testing to identify vulnerabilities. This agile role not only honed my technical and analytical skills but also led to my certification in Sumo Logic, reinforcing my commitment to advancing my

knowledge in cybersecurity. My contributions supported MLB's mission to safeguard its digital infrastructure and maintain the highest standards of information integrity.

- Collaborated with a network engineer to upgrade wireless connectivity at headquarters, configuring and testing over 100 access points for optimal coverage and security using Meraki. This project significantly improved network performance and employee experience, aligning with MLB's safety and efficiency standards.
- Developed a Python script to retrieve and analyze web request data from the Signal Sciences API, covering a 24-hour period. The script generates a CSV file with detailed request logs, enhancing cyber threat monitoring and analysis capabilities.

EDUCATION

Marist College

Poughkeepsie, NY

May 2024

Bachelor of Science in Information Technology & Systems; Minors in Cyber Security and Business

3.93 GPA, Summa cum Laude

Excellence in Information Technology & Systems Award 2024

Alpha Chi National College Honor Society Inductee

Deans' Lists 2020-2024

Deans' Circle (top 5% of students)

Vice President of the Upsilon Epsilon Chapter of Kappa Sigma

Emerging Leaders Inductee

PROJECT EXPERIENCE

August 2020 - May 2024

- Text-Based Decision Game In Python with multiple paths and a variety of endings
- Java Binary Search Tree with multiple functions (traverse the tree either way, add and delete nodes)
- Web Flask App Social Media Food App (users can favorite recipes posted by other users)
- Entire Working Database for a Hospital in SQL
- Entire Network Configuration in IPv4 and IPv6 in CiscoOS
- Script that automated folder sorting in Github for all MLB Teams
- Entire NIST Mapping Assessment
- Macro Building in VBA for Risk documentation automation
- Web App that displays like domain information for a specific domain using DNS
- Password Spraying Script using SMB and a simple GUI to test usernames with a list of passwords without being noticed.

