# Joseph Bartholdi

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## Cyber Security Analyst

An aspiring cybersecurity professional actively seeking entry-level full-time positions and internship opportunities to leverage my skills and contribute effectively to advancing cybersecurity practices.

## 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*

## EXPERIENCE AND PROJECTS

**PKF O'Connor Davies, Harrison, NY**                                       **June 2023 - March 2024**

**Intern - Cyber Security Advisory Team**

Joined PKFOD as a summer intern which swiftly led to an extension of roles and responsibilities beyond typical intern duties. Initially tasked with observing live penetration tests, testing new applications, and using Linux tools, 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, which used shell scripting and featured a user-friendly GUI for efficient password hash cracking, supporting multiple wordlists and hash types.
- Led the build of an in-house hash cracking rig, having equal specs to a high-speed AWS server at a cheaper cost.

**Major League Baseball, New York, NY**                                  **June 2022 - August 2022**

**Intern - Information Security Team**

I was selected as an information security intern at Major League Baseball and was tasked with enhancing the organization's cybersecurity measures. My responsibilities included managing user permissions to ensure secure access control, crafting custom scripts to automate security processes, and developing and helping to ensure 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.
- Developed a Python script to retrieve and analyze web request data from the Signal Sciences API over 24 hours.

**Relevant Projects**

- 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 in Excel and 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 discreetly
- Wrote run books for new applications such as PDQ inventory

**Areas of expertise include:**

Project management, Python Automation Scripting, Linux Cyber Tools, Password Hash Cracking, NIST Risk Assessments, Web Application Building using Node.JS and Flask, Testing out hardware (Hak5 tools), Paolo Alto, OSINT, Incident Response, Vulnerability Assessments, Security Information and Event Management (SIEM), Mitigation, Phishing, Encryption, Malware, Spoofing, Virtual Private Network (VPN), Troubleshooting, Compliance, Documentation