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**PROFESSIONAL SUMMARY**

Hardworking Cybersecurity student with a strong foundation in malware detection and IT infrastructure. Skilled in machine learning, various programming languages, including Python and Linux (Ubuntu, Kali Linux), Microsoft Office, and Google Product Suites. Motivated by a passion for problem-solving and leadership, demonstrated through academic research and student organizations.

**EDUCATION**

**Marist University**, Poughkeepsie, NY May 2025, expected

*Bachelor of Science*, Major: Cybersecurity | Minors: Computer Science, Information Systems & Technology

*Awards & Scholarships*: Mid-Hudson IEEE Capstone Project Award (April 2025), Christopher Peter Cybulski Memorial Scholarship (Aug 2024 - May 2025), Marist University Merit Scholarship (Aug 2021 - May 2025), Introduction to Business and Management Award (Dec 2021)

**CONTINUING EDUCATION**

**William Paterson University**, Wayne, NJ July 2020

*Game Design,* Summer Course

* Developed two online games, through coding, programming, and graphic design

**Girls Who Code**, Online July 2020

*Summer Immersion Program*

* Created and designed a website on the impacts and benefits of music on mental health

**SKILLS AND ABILITIES**

VMware, VirtualBox, Virtual Machines, Nessus, Linux (Ubuntu, Kali Linux), Nmap, Metasploit, Paraben’s E3, Cisco Packet Tracer, SpriteTree,Jupyter Notebook, K-Nearest Neighbors, XGBoost, SOC, Python, HTML, MySQL, JavaScript, CSS, React, Microsoft Office and Google Product Suite

**EXPERIENCE**

**Researcher**, *Mac Malware Detection Research Project*, Poughkeepsie, NY Aug 2024 - Present

* Collected and executed 50+ Mac-based Trojan malware samples from security research repositories (ObjectiveSee, TheZoo, MalwareBazaar) within a controlled, secure environment to ensure system safety
* Analyzed the collected logs in SpriteTree and converted the raw data into structured .csv files using a Python script to prepare it for machine learning and detecting the difference between benign and malicious executables
* Developed a KNN machine learning model with a 73% recall rate for detecting malicious files, then improved performance by implementing an XGBoost algorithm, achieving a 97% recall rate
* Presented project at the Mid-Hudson Tech Meets in Annandale-On-Hudson, NY (Nov 2024), NYCWIC (April 2025), Marist University CURSCA (April 2025), and NYS Cybersecurity conferences (June 2025)

**Desk Associate / Party Host***, Holiday Bowl*, Oakland, NJ April 2023 - Present

* Operated POS system, computer game system, and opened/closed the facility
* Hosted parties, ensured safe play, and maintained a clean facility

**Student Researcher,** *Kali Linux Lab*, Poughkeepsie, NY Aug 2023 - Dec 2023

* Configured virtual environment using Kali Linux and Metasploitable to simulate a cyber attack and defense
* Deployed security tools (pfSense, Nessus) to identify and exploit a vulnerability in the VNC server
* Implemented defense, retested the attack, and verified the successful defense

**Information Technology Intern***, Avis Budget Group*, Parsippany, NJ June 2023 - Aug 2023

* Connected IDE to AWS to write Python code, such as queries to pull information from a Pinpoint segment, allowing the results to be saved in an S3 bucket
* Co-led the Communications team for our Capstone project, *Drive to Do Good*, raising $900 in donations and collecting 160 cleaning supplies for *Habitat for Humanity*