Daniella Boulos

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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*