

YOSEF D. STIFANOS

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U.S. Citizen

EDUCATION

University of Illinois at Urbana-Champaign <i>B.S. in Information/Data Science - Cybersecurity</i>	Urbana, Illinois
	<i>Aug 2022 - Expected May 2026</i>
○ GPA: 3.82/4.00, 6x Dean's List, NSBE Chicago Scholarship Recipient ○ Relevant Coursework: Data Science 1&2, Machine Learning, Risk & Cybersecurity, Fundamentals of Information Security, Privacy & Information Technology, Database Concepts and Applications, Cybersecurity Concepts & Practices	

EXPERIENCE

Freddie Mac <i>Technology Analyst</i>	McLean, Virginia
	<i>May 2025 – July 2025</i>
● Led and participated in internal tabletop exercises simulating real-world cyberattacks and system recovery scenarios. ● Documented and analyzed attack vectors, lateral movement techniques, and mapped impacts to enhance organizational threat awareness. ● Leveraged ServiceNow to track vulnerabilities, automate remediation workflows, and reduce mean time to resolution. ● Monitored and reported technology vulnerabilities, ensuring timely risk mitigation and maintaining system security compliance.	

Engineering IT <i>IT Engineer Consultant</i>	Urbana, Illinois
	<i>April 2025 – Present</i>
● Spearheaded AV/IT support and digital signage implementation, leveraging expertise in network engineering to ensure seamless technical operations for faculty and staff. ● Managed and maintained IP address allocations using IP Address Management (IPAM) tools, ensuring accurate network documentation and efficient address utilization across enterprise systems.	

Google <i>Cybersecurity Scholar</i>	Remote, California
	<i>Aug 2025 – Dec 2025</i>
● Selected for the Google Scholar Program, completing the Google Cybersecurity Professional Certificate, gaining hands-on experience in threat detection, risk assessment, and security operations.	

Vivacity Tech PBC <i>Software Quality Engineer Intern</i>	Remote, St. Paul, Minnesota
	<i>Jan 2024 – June 2024</i>

University of Illinois Technology Services <i>IT Operations Analyst</i>	Urbana, Illinois
	<i>Sep 2022 – Feb 2025</i>

PROJECTS

NIST Password Generator + Passphrase Tool <i>Independent Owner</i>	Urbana, Illinois
	<i>July 2025</i>
● Built a browser-based password generator compliant with NIST SP 800-63B standards. ● Integrated the Have I Been Pwned API to detect compromised passwords and enhance credential hygiene. ● Tools: HTML, JavaScript, Fetch API, Web UI, Cybersecurity Standards	

Predictive Modeling on Game Sales and Playtime <i>Group Lead</i>	Urbana, Illinois
	<i>Dec 2024</i>
● Developed regression and classification models to forecast game sales and playtime behavior. ● Engineered features, trained/tested models, and evaluated performance using R ² , AUC, and RMSE. ● Technologies Used: Python, Scikit-Learn, Statsmodels, Linear Regression, Logistic Regression, Classification, Model Evaluation	

ACTIVITIES AND LEADERSHIP

NSBE Member – Coordinated STEM workshops for local schools, increasing outreach by 30%.
SIGPwny – Participated in weekly red/blue security workshops and CTF competitions focused on real-world hacking techniques.

SKILLS

Programming Languages: Python, JavaScript, HTML, CSS, SQL
Tools and Software: Git, Jira, Jupyter Notebooks, Korbyt, MySQL, MongoDB (NoSQL), Wireshark, IPAM
Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn
Certifications: [Google Cybersecurity Professional Certificate](#)
Cybersecurity: CIA, OSI Model, MITRE ATT&CK, ServiceNow, Kali Linux, NMAP, SIEM, Security Frameworks, SBOM, Vulnerability scanning & assessment, Patch management, System security assurance