

# YOSEF D. STIFANOS

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U.S. Citizen

## EDUCATION

### **University of Illinois at Urbana-Champaign**

<i>B.S. in Information/Data Science – Concentration: Cybersecurity</i>	<b>Urbana, Illinois</b>
	<i>Aug 2022 - Expected May 2026</i>
<ul style="list-style-type: none"><li>○ <b>GPA:</b> 3.88/4.00, 6x Dean's List, NSBE Chicago Scholarship Recipient</li><li>○ <b>Relevant Coursework:</b> Data Science 1&amp;2, Machine Learning, Risk &amp; Cybersecurity, Fundamentals of Information Security, Privacy &amp; Information Technology, Database Concepts and Applications, Cybersecurity Concepts &amp; Practices</li></ul>	

## EXPERIENCE

### **Freddie Mac**

*Technology Analyst*

**McLean, Virginia**

*May 2025 – July 2025*

- 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.

### **The Grainger College of Engineering**

**Urbana, Illinois**

*Network & Infrastructure Engineering Consultant*

*April 2025 – Present*

- Led AV/IT support and digital signage deployment, applying network engineering expertise to ensure reliable operations.
- Managed IP address allocations with IPAM, ensuring accurate documentation and efficient enterprise network utilization.

### **Google**

*Cybersecurity Scholar*

**Remote, California**

*Aug 2025 – Dec 2025*

- 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**

*Software Quality Engineer Intern*

**Remote, St. Paul, Minnesota**

*Jan 2024 – June 2024*

### **University of Illinois Technology Services**

**Urbana, Illinois**

*IT Operations Analyst*

*Sep 2022 – Feb 2025*

## PROJECTS

### **NIST Password Generator + Passphrase Tool**

**Urbana, Illinois**

*Independent Owner*

*July 2025*

- 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**

**Urbana, Illinois**

*Group Lead*

*Dec 2024*

- Developed regression and classification models to forecast game sales and playtime behavior.
- Engineered features, trained/tested models, and evaluated performance using R<sup>2</sup>, 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 & Software:** Git, Jira, Jupyter Notebooks, Korbyt, MySQL, MongoDB (NoSQL), Wireshark, IPAM, Windows, Linux, MacOS

**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