

# YOSEF D. STIFANOS

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U.S. Citizen

## EDUCATION

### University of Illinois at Urbana-Champaign

Urbana, Illinois

B.S. in Information/Data Science - Cybersecurity

Aug 2022 - Expected May 2026

- **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

McLean, Virginia

Technology Analyst Intern

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.

### Engineering IT

Urbana, Illinois

IT Engineer Consultant

April 2025 – Present

- 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

Remote, California

Cybersecurity Scholar

Aug 2025 – Present

- 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

Remote, St. Paul, Minnesota

Software Quality Engineer Intern

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  $R^2$ , 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, Kibana, 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