

# YOSEF D. STIFANOS

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U.S. Citizen in Champaign-Urbana & Chicago Metro, IL (Open to relocation)

## EDUCATION

### University of Illinois at Urbana-Champaign

B.S. in Information/Data Science

Urbana, Illinois

Aug 2022 - Expected May 2026

- **Concentrations:** Cybersecurity, Data Science and Data Analytics
- **GPA:** 3.82/4.00, 4x Dean's List
- **Relevant Coursework:** Data Science 1&2, Machine Learning, Risk & Cybersecurity, Fundamentals of Information Security, Privacy & Information Technology, Database Concepts and Applications, Cybersecurity Concepts & Practices, Global Fin Tech Analytics

## EXPERIENCE

### Freddie Mac

Cybersecurity Red Team & Cyber/Technology Resilience Intern

McLean, Virginia

May 2025 – July 2025

- Participated in internal tabletop exercises simulating real-world cyberattacks and recovery scenarios.
- Assisted in documenting and analyzing attack vectors, lateral movement techniques, and impact mapping.
- Used ServiceNow to track vulnerabilities, automate remediation workflows, and reduce MTTR.
- Assisted in tracking and reporting technology vulnerabilities and remediation progress, helping ensure timely risk mitigation across systems.

### Google x MMC

Cybersecurity Scholar

Remote, California

Aug 2025 – Present

- Selected to participate in the Fall 2025 Google Cybersecurity program through the Mentor Me Collective.
- Engaged in hands-on training focused on identifying, mitigating, and preventing cybersecurity threats.
- Learning to use industry-standard tools including Python, Linux, SIEM, IDS, and AI for threat detection.
- Preparing for roles such as Cybersecurity Analyst, SOC Analyst, and Incident Response Specialist.

### Engineering IT

IT Engineer Consultant

Urbana, Illinois

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.

### Vivacity Tech PBC

Software Engineer Intern – Quality Engineering

Remote, St. Paul, Minnesota

Jan 2024 – June 2024

### University of Illinois Technology Services

IT Operations Assistant/Analyst

Urbana, Illinois

Sep 2022 – Feb 2025

## PROJECTS

### NIST Password Generator + Passphrase Tool

Independent Owner

Urbana, Illinois

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

Group Lead

Urbana, Illinois

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 and Software:** Git, Jira, Jupyter Notebooks, Korbyt, MySQL, MongoDB (NoSQL), Wireshark

**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