

# YOSEF D. STIFANOS

[yosefstifanos30@gmail.com](mailto:yosefstifanos30@gmail.com) | 217-281-1985 | <https://www.linkedin.com/in/yosefstifanos/>

U.S. Citizen

## EDUCATION

### University of Illinois at Urbana-Champaign

Urbana, Illinois

B.S. in Information/Data Science – Concentration: Cybersecurity

Aug 2022 - Expected May 2026

- **GPA:** 3.88/4.00, 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

May 2025 – July 2025

- Supported enterprise technology and cyber resilience efforts by planning and participating in tabletop exercises simulating cyber incidents, system outages, and recovery scenarios.
- Analyzed attack paths, system dependencies, and recovery impacts to identify resilience gaps and strengthen incident response and business continuity planning.
- Conducted research in support of Red/Green cybersecurity teams, contributing insights on adversary techniques, defensive controls, and resilience-focused improvements.
- Tracked and reported vulnerabilities using ServiceNow, supporting remediation workflows, risk reduction, and system availability and 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

Remote, California

Cybersecurity Scholar

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

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 & Software:** Git, Jira, Jupyter Notebooks, Kibana, 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