

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

Urbana, Illinois

B.S. in Information/Data Science

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

EXPERIENCE

Freddie Mac

McLean, Virginia

Cybersecurity Red Team & Cyber/Technology Resilience Intern

May 2025 – Present

- 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.

Engineering IT

Urbana, Illinois

Engineering Consultant L1

April 2025 – Present

- Act as a primary technical advisor and escalation point for AV-related issues across campus, providing faculty with responsive, solution-oriented support to maintain continuity in instruction.
- Provide Tier 1–2 support and troubleshoot AV/IT incidents through remote and hands-on methods.
- Supported digital signage rollout with Korbyt and maintained documentation for lifecycle asset tracking.

Vivacity Tech PBC

Remote, St. Paul, Minnesota

Software Engineer Intern – Quality Engineering

Jan 2024 – June 2024

- Enhanced system security posture by identifying and reporting logic flaws during QA.
- Aligned QA processes with development goals, improving workflow integration by 10% across teams.
- Reduced test cycle times by 20% by integrating automated testing into CI/CD pipelines.

University of Illinois Technology Services

Urbana, Illinois

IT Operations Assistant/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, Korbyt, MySQL, MongoDB (NoSQL)

Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn

Certifications: CompTIA Security+ (currently in-progress)

Cybersecurity: CIA, OSI Model, MITRE ATT&CK, ServiceNow, Kali Linux, NMAP