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*
- **Related Coursework:** Object-Oriented Programming, Statistics & Applications, Data Science Discovery, Machine Learning, Data Science Exploration, 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*

- Supported the Enterprise Operational Resiliency (EOR) team in strengthening Freddie Mac's ability to prepare for, withstand, and recover from disruptive events affecting business operations.
- Participated in cross-functional remediation meetings with technology and business teams, helping document risks, deadlines, and recovery actions.
- Contributed to change and incident tracking efforts in ServiceNow, supporting automation and consistency in resilience-related workflows.
- Gained exposure to key components of operational resilience, including business continuity planning, technology recovery governance, and crisis response coordination.
- Assisted in tracking and reporting technology vulnerabilities and remediation progress, helping ensure timely risk mitigation across systems.
- Utilized Microsoft Excel and Power BI to organize, visualize, and communicate data on vulnerabilities, remediation efforts, and operational impacts.

Engineering IT   **Urbana, Illinois**
Engineering Consultant L1   *April 2025 – Present*

- Led AV/IT support operations across 100+ smart classrooms, managing hardware deployments, firmware updates, and system diagnostics to ensure high-availability environments.
- 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.
- Provided Tier 1–2 support and on-call troubleshooting for faculty, resolving real-time AV/IT incidents via remote tools and hands-on intervention to ensure instructional continuity.
- Contributed to the rollout of a centralized digital signage network using Korbyt, while maintaining technical documentation and asset tracking for lifecycle management.

Vivacity Tech PBC   **Remote, St. Paul, Minnesota**
Software Engineer Intern – Quality Engineering   *Jan 2024 – June 2024*

- Contributed to a 15% increase in website user engagement and conversion rates by optimizing test planning and execution through the use of advanced test automation tools and frameworks
- Enhanced efficiency in testing processes by 20% through the implementation of automation tools, leading to faster and more reliable QA outcomes
- Ensured alignment between QA processes and development objectives, improving workflow integration by 10% and fostering a cohesive collaboration across cross-functional teams
- Identified and resolved critical issues in website functionality, significantly enhancing user experience and driving overall business growth

University of Illinois Technology Services   **Urbana, Illinois**
IT Operation Assistant   *Sep 2022 – Feb 2025*

- Led and managed a team of 35-40 student site consultants, implementing a robust documentation system that improved accountability by 25% and overall productivity by 15%, while maintaining a 98% policy adherence rate
- Provided expert IT support to 500+ faculty, staff, and students monthly, resolving 95% of issues within 24 hours and reducing system downtime by 40% through proactive troubleshooting and performance optimization
- Developed and maintained a comprehensive Excel-based knowledge base and analytics system, reducing new hire training time by 30% and improving team efficiency by 25%, while facilitating data-driven decision-making for promotions and resource allocation
- Spearheaded IT infrastructure improvements, including software updates and security protocols, resulting in a 50% reduction in software-related issues and a 60% decrease in security incidents across 200+ instructional computers and servers

PROJECTS

Predictive Modeling on Game Sales and Playtime   **Urbana, Illinois**
Owner   *Dec 2024 – Dec 2024*

- Built linear and logistic regression models to predict game sales and classify games by playtime categories.
- Cleaned and split data into training/test sets, performed feature engineering, and evaluated models using R^2, RMSE, AUC, and accuracy.
- Developed a classifier with sensitivity/specificity trade-offs and assessed Type I/II errors for real-world deployment scenarios.
- **Technologies Used**: Python, Scikit-Learn, Statsmodels, Linear Regression, Logistic Regression, Classification, Model Evaluation

Premier League Team Goals Analysis   **Urbana, Illinois**
Owner   *Mar 2024 – Mar 2024*

- Conducted an in-depth analysis of Premier League teams' performance, focusing on goal-scoring metrics throughout the 2013/2014 season
- Aggregated comprehensive match data, including home and away goals, using Python and Pandas for robust data handling and manipulation
- Computed total goals scored by each team, incorporating both home and away matches, to provide a holistic view of team performance
- Identified and highlighted top-performing teams based on total goals scored, as well as teams with the lowest goal totals, utilizing advanced data analysis techniques
- Developed and designed bar charts to visually represent the number of goals scored by the top and least performing teams, leveraging Matplotlib for effective data visualization
- **Technologies Used**: Python, Pandas, Matplotlib

ACTIVITIES AND LEADERSHIP

NSBE (National Society of Black Engineers)   **Urbana, Illinois**
Member   *Jan 2023 – Present*

- Led a community outreach initiative as part of NSBE, coordinating STEM workshops for local schools and increasing chapter involvement by 30%
- Expanded professional network by actively participating in NSBE networking events, leading to mentorship opportunities and internships

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, CSS, SQL
Database Technologies: MySQL, MongoDB (NoSQL)
Tools and Software: Git, Jira, Jupyter Notebooks, 3D SolidWorks, Microsoft Office 365, Google Suite, Korbyt
Libraries/Frameworks: Pandas, NumPy, Matplotlib, Scikit-learn