

Yosef D. Stifanos

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EDUCATION

University of Illinois at Urbana-Champaign

B.S. in Information/Data Science

Urbana, Illinois

Aug 2022 - Expected May 2026

- **Concentrations:** 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

EXPERIENCE

Freddie Mac

Technology Analyst Intern

McLean, Virginia

May 2025 – Present

Engineering IT Shared Services

Engineering IT Student Consultant

Urbana, Illinois

April 2025 – Present

Vivacity Tech PBC

Software QA Engineer Intern

Remote, St. Paul, Minnesota

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

IT Operation Assistant

Urbana, Illinois

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

Owner

Urbana, Illinois

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 R², 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

Owner

Urbana, Illinois

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 – Current

- 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

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