Shane Kasmarogi

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PROJECTS

Chicago Free-Food Network (CFFN) Database System | MS Access, SQL, ERDPlus

Independent Project

- Designed a relational database (7 tables) with referential integrity to track donors, recipients, events, and inventory.
- Automated donation and inventory reports using SQL date logic, cutting manual tracking time by 50 percent.
- Built entry forms and a many-to-many structure that improved reporting flexibility for nonprofit resource distribution.

Netflix Movie Recommendation Model | Python, Pandas, Scikit-Learn

Independent Project

- Built a content-based movie recommendation engine (TF-IDF, cosine similarity) in Python.
- Engineered feature sets for genre, runtime, and release year to improve recommendation relevance.
- Deployed an interactive Streamlit app showing similarity scores and trait correlations.

WORK EXPERIENCE

Rosalind Franklin University • Chicago, Illinois • 06/2023 - 05/2024

Study Coordinator (Contract)

- Developed and implemented training protocols to standardize study procedures, improving staff efficiency and data accuracy.
- Analyzed ad-performance data in Excel and Python, identifying top-performing campaigns that increased recruitment click-through rates by 22%.
- Programmed a new budget tracking system in Excel, resulting in a 50% reduction in time spent on manual data entry and ensuring 100% accuracy of expense reporting.

Loyola University Chicago • 08/2025 - Present

Graduate Assistant - Student Accessibility Center (SAC)

- Manage and validate accommodation data across SharePoint, Teams, and Accommodate, ensuring complete accuracy of confidential records.
- Standardized intake and digital workflows that reduced processing time and improved request turnaround.
- Supported reporting needs by organizing datasets and improving data structures for staff use.
- Facilitated resolution of sensitive conflicts between faculty and students, enhancing equitable access to courses through active listening and mediation.

EDUCATION

Master of Science in Business Analytics

Loyola University Chicago
Chicago, Illinois
08/2026

Bachelor of Science in Psychology

Arizona State University
Tempe, Arizona

Associate of Applied Science in Psychology

Scottsdale Community College
Scottsdale, Arizona

SKILLS

Programming: R, Python, SQL

Analytics & Methods: Data cleaning, EDA, regression, classification, clustering, statistics

Cloud & Databases: Snowflake, AWS, MySQL, ERD modeling, Database design, Referential integrity

Data Tools: Excel, Tableau, Power BI, SPSS, Jupyter, MS Access, VS Code

Workflow & Collaboration: Git, Google Workspace, Teams, Microsoft 365, Asana