Lanham, MD, US • 301-213-9202 • simon97862012@gmail.com •

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SIMON YOSEPH

EDUCATION

BACHELOR OF SCIENCE IN COMPUTER SCIENCE   **May 2024**
Towson University

SKILLS

Programming Languages: SQL, Java, C++, Python, R, JavaScript, HTML, CSS
Tools/Frameworks: SQL Server, Power BI, Tableau, React, Node.js, GitHub, JIRA, Visual Studio Code, Eclipse
Soft Skills: Analytical Thinking, Communication, Problem Solving, Team Collaboration

EXPERIENCE

Data Science Intern   **January 2024 – May 2024**
National Science Foundation, Baltimore Data Science Corps   *Towson, MD*

- Automated data validation workflows using Python and SQL to process over 900,000 data points, improving operational efficiency by 40%.
- Collaborated with data scientists and policymakers to optimize predictive models, reducing decision-making timelines by 15%.
- Conducted exploratory data analysis (EDA) on 311 and 911 call datasets, improving anomaly detection accuracy by 20%.

IT Support/ Building Manager   **August 2021 – May 2024**
Towson University   *Towson, MD*

- Optimized troubleshooting procedures by documenting recurring issues, reducing repeat occurrences by 30%.
- Led the upgrade of campus IT systems, deploying proactive tracking tools that cut downtime by 20%.
- Trained a team of four IT support assistants, increasing team productivity by 25% through streamlined processes.
- Managed IT infrastructure for a 20,000+ user base, resolving over 100 monthly tickets with a 98% first-call resolution rate.

Technical Data Entry Clerk   **June 2023 – February 2024**
Westat   *Rockville, MD*

- Established data quality control processes in a regulated environment, reducing error rates by 40% through automated validation checks
- Created performance monitoring reports using Power BI and SQL queries to track system metrics and improve data accuracy by 35%
- Maintained validated computer systems compliance while collaborating with quality assurance teams to ensure data integrity

PROJECTS

Travel Trove AI

- Designed a responsive web application integrating flight search functionality with APIs like OpenAI and Google Translate.
- Combined web app for flight search, language translation, and currency conversion functionalities, utilizing JavaScript, HTML/ CSS, and Next.js.
- Integrated Amadeus Flight Search API for real-time flight bookings, leveraged OpenAI for multilingual text translation, and built a currency conversion tool to handle various currencies.

Fitness App

- Developed a fitness tracking application using React, Tailwind CSS, and Node.js for personalized workout and nutrition plans.
- Integrated gamification features such as streak tracking and performance metrics, increasing user engagement by 45%.