Simon Yoseph

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

EDUCATION

Towson University **May 2024**
Bachelor of Science in Computer Science
Relevant Coursework: Linear Algebra, Calculus 1 and 2, Probability & Statistics, Discrete Math

SKILLS

Programming Languages: Python, R, JavaScript, SQL, C++, HTML/ CSS, Java
Tools & Frameworks: React, Node.js, GitHub, JIRA, Visual Studio Code, Eclipse, Power BI

EXPERIENCE

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

- Built Python-based pattern detection algorithms that reduced data processing time by 30% and enabled real-time anomaly detection.
- Developed interactive dashboards for analyzing Baltimore's 311 and 911 call data, improving data accessibility and efficiency by 25%.
- Engineered a Streamlit-based visualization tool, enabling real-time analytics and data-driven decision-making.
- Collaborated with cross-functional teams to refine UI/UX elements in data-driven applications, ensuring clarity and usability by an increase of 75%.

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

- Managed IT operations and provided technical support for 20,000+ users, achieving a 98% resolution rate.
- Developed automation scripts to streamline IT service requests, reducing response times by 50%.
- Collaborated with leadership and cross-functional teams to provide actionable insights to reduce average incident handling time from 4 hours to 45 minutes.

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

- Provided technical support for data management systems, ensuring high accuracy in data entry and validation.
- Automated reporting processes, improving efficiency by 40% and enhancing data-driven decision-making.
- Assisted users with troubleshooting database issues and resolving system errors 95%.

PROJECTS

Full-Stack Travel Trove AI Website

- Architected and developed a responsive web application using JavaScript, HTML/CSS, and Next.js
- Implemented RESTful API integrations for flight search, language translation, and currency conversion
- Optimized front-end performance resulting in 25% faster booking completion
- Utilized modern web development practices to create an intuitive user interface

Full-Stack Fitness Web App

- Built a full-stack fitness tracking application using React, Tailwind CSS, and Node.js
- Improved API performance by 30% through front-end optimization techniques
- Implemented gamification features using React components, increasing user engagement by 45%
- Designed and developed responsive UI components for seamless mobile and desktop experience

LEADERSHIP

Secretary and Historian of Towson University
Ethiopian-Eritrean Student Association

PUBLICATIONS

National Science Foundation Division of
Information & Intelligent Systems Research