

Contact

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Top Skills

Smolagents
Agentic RAG
LangGraph

Certifications

Understanding Neural Network and
it's Applications
Foundations: Data, Data,
Everywhere
Prompt Engineering in Generative AI
for Data Science
Lean Six Sigma White Belt
Certification
Hugging Face AI Agents

Tirus Wagacha

Data Scientist | Data Analyst | Software Developer
Manhattan, Kansas, United States

Summary

Self-driven and highly motivated technology enthusiast with a passion for innovation and solutions provision while helping improve various business processes and increase efficiency.

Key Qualifications:

- Exceptional time management and multitasking abilities.
- Proficiency in Data Analysis and data management, API development and design, problem-solving and decision-Making.

Value:

- Prepared to contribute analytical skills, a problem-solving mindset, and a dedication to a dynamic, data-driven environment, facilitating valuable contributions to my team.

Experience

Kansas State University
Graduate Teaching Assistant & Research Assistant at Kansas State University - College of Business
August 2024 - Present (1 year)
Manhattan, Kansas, United States

As a Graduate Teaching Assistant (GTA) and Graduate Research Assistant (GRA) at the College of Business, I work closely with faculty in the Management Department to provide comprehensive academic support. My responsibilities include assisting with teaching, grading, and offering guidance to students to enhance their learning experience. In addition, I engage in research projects that contribute to advancing knowledge in the field of business management.

Sunderland Foundation Innovation Lab
Student Specialist
February 2024 - August 2024 (7 months)
Manhattan, Kansas, United States

At the Sunderland Foundation Innovation Lab, I provided hands-on support to students in the Fabrication Space and Maker Space, assisting them with 3D printing, CAD modeling, laser cutting, and various other prototyping techniques. My role also involved guiding students through their academic and personal projects, ensuring they utilized the lab's resources effectively. Additionally, I managed customer support at the front desk and the AI Studio, helping users navigate our cutting-edge tools and technologies. My experience at the lab allowed me to blend technical skills with customer service, fostering a collaborative and innovative environment.

Volane International

Backend Software Engineer

December 2022 - August 2024 (1 year 9 months)

Nairobi County, Kenya

Managed and implemented backend logic for a multitenancy Oil and Gas Distribution and Inventory management Microservices System.

Focused on data quality and integrity, ensuring reliable and actionable data-driven insights.

Developed database schemas and queries for efficient data retrieval and real-time reporting.

Deployed software features across development, UAT, and production stages with CI/CD pipelines on AWS.

Conducted root cause analysis and debugging for production environment issues.

MPost

Software Engineer

March 2022 - November 2022 (9 months)

Nairobi, Kenya

Developed a multitenant virtual addressing system integrating mobile payments for seamless transactions.

Addressed production environment issues with thorough root cause analysis and debugging.

Optimized database schemas for fast and reliable data access.

Collaborated with mobile app developers for real-time package delivery process monitoring.

Created self-service chatbots and USSD solutions for service delivery.

Nanatec Limited

Backend Software Engineer

May 2020 - November 2022 (2 years 7 months)

Nairobi, Kenya

Developed a module-based SaaS solution for the insurance ecosystem using DDD and microservices architecture.

Translated stakeholder needs into domain-specific use cases and logic.

Implemented optimized database schemas and queries for insurance processes and analytics.

Ensured data integrity with transaction management and error handling mechanisms

Maniwa Technologies Limited

Engineer Intern

February 2021 - March 2021 (2 months)

Nairobi, Kenya

KTDA-Chai Trading Company Ltd

Engineer Intern

May 2019 - August 2019 (4 months)

Mombasa

Education

Kansas State University

Master of Science - MS, Data Analytics · (January 2024 - December 2025)

Technical University of Mombasa

Bachelor of Science - BS, Mechanical Engineering · (September 2016 - July 2022)

St. Pauls High School-Kevote

· (2012 - 2015)