FREDRICK ONYANGO

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PROFESSIONAL SUMMARY

Graduate student in Health Informatics at Indiana University with a strong foundation in healthcare data systems, eLearning development, and programming. Skilled in instructional design, curriculum development, data analysis, and healthcare data exchange. Recently gained hands-on experience in health data visualization, predictive modeling, EHR implementation planning, and SMART on FHIR–based interoperability. Passionate about using informatics to improve healthcare delivery and patient outcomes.

EDUCATION

Program / Institution	Dates
M.S. Health Informatics – Indiana University Indianapolis, USA	Jan 2025 –
B.Sc. Health Information Management & Informatics – JKUAT, Kenya	2013 – 2017

TECHNICAL SKILLS

Python, R, SPSS, Java, C++, HTML, Visual Basic, MySQL, SQL, XAMPP, API (FHIR/SMART on FHIR), Tableau, Power BI, Microsoft Office Suite, Lectora, Moodle.

EXPERIENCE

Role / Organization	Key Skills / Responsibilities	Dates
Graduate Assistant – Uzima University	eLearning content design, team leadership, curriculum development, health informatics lectures, data analysis, Tableau, Power BI, Python	2021 – 2024
Tutor & Head of Department – Nyabondo Medical Training College	Faculty leadership, course development, instructional design, SPSS, Microsoft Office, Moodle	2018 – 2021
Data Analyst Intern – NHIF (Accreditation Dept.)	Data entry & analysis, reporting, MySQL, SQL, web-based tools development, Python	2018

PROJECTS & WORKSHOPS

Project / Workshop	Year
1) Presenter, KESSA 2025 Conference – Presented research on machine learning applications in gastrointestinal cancer detection	2025
2) EHR Implementation & Project Management Simulation – Developed a 2-month project plan and Gantt chart in WRIKE for clinical informatics	2025
3) iHRIS Data Analytics & Visualization – IntraHealth	2019
4) eLearning Mentorship Program – Maseno University	2019
5) Health Informatics Governance and Data Analytics Bootcamp – USAID & JKUAT	2017