

JOSEPH OKENO-STORMS

MACHINE LEARNING ENGINEER

CONTACT

-  [linkedin.com/in/owiti](https://www.linkedin.com/in/owiti)
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-  Charlottesville, VA

SKILLS

- Machine Learning Operations (MLOps)
- Amazon Web Services (AWS)
- Python
- R
- SQL
- Apache Airflow
- MLFlow
- Linux/Unix shell scripting
- Databricks
- Docker
- CI/CD
- Problem Solving
- Strategic Thinking
- Teamwork
- Leadership
- Technical Communication

EDUCATION

B.S., Computer Science: Software Engineering, Web & Mobile Programming


Liberty University


2017 - 2021

- **Minor:** Mathematics
- **GPA:** 3.88/4.0
- Summa Cum Laude

LANGUAGES

English 

Swahili 

Luo 

SUMMARY

I am an enthusiastic Engineer with a passion for working with data, I thrive on pushing boundaries and exploring the endless possibilities in this ever-evolving world of technology. My expertise lies in the exciting intersection of Machine Learning Operations (MLOps) and the vast capabilities of the AWS Cloud. I've successfully implemented multiple production-level workloads by optimizing machine learning workflows, and enhancing model integration, maintenance, and monitoring. From designing robust pipelines to deploying scalable machine learning models, I am dedicated to aiding talented modelers in delivering valuable insights to end users.

WORK EXPERIENCE

Machine Learning Engineer II

May 2023 - Present

Elder Research

- Design end-to-end machine learning pipelines, ensuring efficiency and scalability.
- Utilize Apache Airflow and Databricks to architect, develop, and maintain robust machine learning workflows.
- Implement seamless deployment of machine learning models into production, leveraging various AWS services for scheduling, automation, scaling, and monitoring.
- Enhance machine learning models with the integration of MLFlow and Arize, ensuring comprehensive model tracking, storage, observability, and monitoring capabilities.
- Develop and maintain interactive Data Visualization dashboards in Tableau, transforming raw data into actionable insights for stakeholders.

Machine Learning Engineer

Elder Research

June 2021 - May 2023

- Deploy machine learning models to production, seamlessly integrating a suite of AWS services for scheduling, automation, scaling, and comprehensive monitoring.
- Harness the power of Apache Airflow to architect and build robust data pipelines and workflows, ensuring efficient data processing and management.
- Integrate MLFlow and Arize into sophisticated, production-level data workflows, enabling meticulous model tracking, storage, observability, and real-time monitoring for continuous improvement.
- Spearhead the development and maintenance of interactive and insightful Data Visualization dashboards in Tableau, translating complex data into actionable insights for stakeholders.
- Utilize Terraform to provision a range of AWS resources essential for MLOps, optimizing infrastructure provisioning and management for increased efficiency.

Software & Data Engineering Intern

Elder Research





May 2020 - May 2021

- Implemented automated service deployment using a diverse set of tools to streamline and optimize the deployment process.
- Designed and developed an intricate employee network graph for the company's corporate site, providing a visually intuitive representation of the organizational structure and relationships.

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LICENSES & CERTIFICATIONS

AWS Certified Solutions Architect – Associate

Amazon Web Services (AWS)
Issued September 2021

AWS Certified Developer – Associate

Amazon Web Services (AWS)
Issued February 2023

HONORS & AWARDS

- Dean's list – 8 semesters
- Liberty University Honors Program
- Student Technology Council
- Leadership Development Program
- William & Mary Leadership Award
- High School Valedictorian
- National Honor Society Semifinalist
- Virginia Boys' State Delegate

WORK EXPERIENCE

Software Engineering Capstone

Liberty University

August 2020 - May 2021

- Collaborated with a team of other students to develop a Machine Learning application. This tool offered invaluable anomaly-detection data analysis, contributing significantly to the operations of a local software company.

Resident Assistant

Liberty University

January 2019 - May 2021

- Offered peer counseling, crisis management, intervention, and direct supervision as a leader of a diverse group of 70 students. Established a secure and nurturing environment that fostered holistic growth for all individuals under my care

Academic Peer Mentor

Liberty University

August 2019 - May 2020

- Provided coaching to undergraduate students, focusing on essential skills such as time management, organization, goal setting, college reading, study techniques, test-taking strategies, and stress management

VOLUNTEER EXPERIENCE

Highschool Mentor

Trinity Presbyterian Church

August 2021 - Present

- Empower and mentor a group of students pursuing holistic growth

Counselor Supervisor

Word of Life Fellowship

June 2018 - August 2019

- Led and mentored a team of counselors, while looking after the well-being and holistic development of middle-school students

Community Group Leader

Liberty University

August 2018 - January 2019

- Facilitated weekly peer group and individual meetings to inspire personal and academic growth, through discipleship and mentorship

Camp Counselor

Word of Life Fellowship

June 2016 - August 2017

- Mentored groups of middle school students at Word of Life Camps while planning and organizing their itinerary

Student Volunteer

Word of Life Fellowship

June 2016 - August 2017

- Volunteered in the construction of boys' homes in West Virginia