

NKECHI JENNIFER AKWARI

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EDUCATION

Ph.D. Computer Science 2022 - 2025 (expected)

University of Cincinnati, Cincinnati, Ohio, USA

Research Areas: Databases, Data Provenance, Machine Learning

Adviser: Dr. Seokki Lee

Bachelor of Science, Computer Science 2018

University of Ibadan, Oyo, Nigeria

First Class Honors

Award: Best Graduating Student in Computer Science

Thesis: Design and Implementation of an Academic Advisory System

Adviser: Dr. Onifade, O.F.W.

RESEARCH EXPERIENCE

Research Assistant, Database and Machine Learning January 2022 – Present

University of Cincinnati, Ohio, USA

- My research work with the Databases Group, University of Cincinnati is focused on databases and data provenance, their benefits to machine learning pipelines, and its decision-making process.

WORK EXPERIENCE

Engineering Summer Camp Counselor, University of Cincinnati, Ohio, USA June - July 2022

- Guided campers through engineering practices via hands-on science and engineering activities and capstone projects

Business Process Analyst and Change Manager 2020 – 2021

Heritage Bank PLC, Lagos, Nigeria

Industry: Financial Institution; Projects Domain: Web, Mobile, API

- Engaged in requirement elicitation, data analysis, data visualization, and documentation to guide business in improving processes, products, and services and inform business decisions; User Story and Workflow Build; Testing; Change Management

Technical Project Manager, AppZone Limited, Lagos, Nigeria 2019 – 2020

Industry: FinTech; Projects Domain: Web, Mobile

- Led agile teams of up to 20 programmers, analysts, testers, and network specialists to ensure project milestones were completed on time, on budget, and with the desired results.

TECHNICAL SKILLS

Python, SQL, Java, Machine Learning, Apache Spark, MS Azure, Tableau, MS Excel, Scrum

PUBLICATIONS

- Turnau, J., Akwari, N., Lee, S., & Rajput, D. (2023, April). Provenance-based Explanations for Machine Learning (ML) Models. In *2023 IEEE 39th International Conference on Data Engineering Workshops (ICDEW)* (pp. 40-43). IEEE.

PROJECT

- Kaggle - Exploratory Data Analysis; Stroke Prediction Using 6 ML models
(<https://www.kaggle.com/code/nkechiyeree/simple-eda-stroke-prediction-using-6-ml-models>)
- Github - <https://github.com/jenniferakinwale?tab=repositories>

CERTIFICATIONS AND TRAINING

- Microsoft Certified: Azure AI Fundamentals 2023
- Microsoft Certified: Azure Data Fundamentals 2023
- Become a SQL Developer, LinkedIn Learning 2022
- ITIL® Foundation Certificate in IT Service Management 2021
- Project Management Essentials Certified 2020

AWARDS AND HONORS

- Graduate Student Engineer of the Month, University of Cincinnati 2023
- IEEE International Conference on Data Engineering (ICDE) NSF Travel Award 2023
- Best Graduating Student in Computer Science, University of Ibadan 2018
- Federal Government of Nigeria Scholarship Awards 2017
- Yaba College of Technology, Special Merit Award for Overall Best Student 2013

CONFERENCE PEER-REVIEWING

- Reviewer, Conference on Information and Knowledge Management (CIKM) 2023
- Reviewer, Very Large Data Bases (VLDB) Conference 2022, 2023
- Reviewer, Scientific and Statistical Database Management Conference 2022, 2023

CONFERENCES/WORKSHOPS ATTENDED

- International Conference on Machine Learning (ICML) July 2023, July 2022
- IEEE International Conference on Data Engineering (ICDE 2023),
International Workshop on Databases and Machine Learning (DBML) April 2023
- NVIDIA GTC Developer Conference March 2023
- Society of Women Engineers (SWE) Conference WE22 October 2022
- ACM SIGMOD/PODS International Conference on Management of Data June 2022

LEADERSHIP AND SERVICE

- Teller-Elect, Society of Women Engineering (SWE) July 2023 - June 2024
- IEEEExtremel7 Global Strategy Team Member June 2023
- Mentor Judge, Technovation Girls May - June 2023
- Reviewer, Research Poster, UC Undergraduate Scholarly Showcase April 2023
- STEM Judge, State and District Science Day, Ohio Academy of Science March-April 2023
- Mentor, SWENext Invent It, Build It (IIBI) October 2022

PROFESSIONAL MEMBERSHIP

- Institute of Electrical and Electronics Engineers (IEEE) Computer Society
- Association for Computing Machinery (ACM)
- American Association for the Advancement of Science (AAAS)