

DERRICK AMOAH OLADELE, EIT  
200 THEATER STREET, APT 2306, LA-70506-LAFAYETTE  
Cell Phone: 337-255-8714, [E-mail:derrick.oladele1@louisiana.edu](mailto:derrick.oladele1@louisiana.edu)  
<https://www.linkedin.com/in/derrick-amoah-oladele-31a244115>

## **EDUCATIONAL BACKGROUND**

**University of Louisiana at Lafayette, USA**

- MSc Petroleum Engineering

**May 2026**

GPA 3.80

**Kwame Nkrumah University of Science and Technology, Ghana**

- MPhil Geotechnical Engineering

**May 2024**

GPA:3.78

**Kwame Nkrumah University of Science and Technology, Ghana**

- BSc Geological Engineering

**May 2019**

GPA:3.77

## **PUBLICATIONS**

1. Sergio, D., **Olaodele, D. A.**, Nuetor, F. D., Goswami, H., Trabelsi, R., Trabelsi, H., & Boukadi, F. (2025). Practical Approach for Formation Damage Control in CO<sub>2</sub> Gas Flooding in Asphalgenic Crude Systems. *Processes*, 13(9), 2740.
2. **Olaodele, D. A.**, Ademola, A., Trabelsi, R., Trabelsi, H., & Boukadi, F. (2025). EOR Feasibility Study of Tanner Oilfield–A Comparative Approach. *Petroleum & Petrochemical Engineering Journal*, 9(1), 1-10.

## **RESEARCH EXPERIENCE**

EOR Laboratory, Department of Petroleum Engineering ULL, USA - (August 2024 – December 2024)

**Research Work:** Laboratory Studies of Clay Hydration and Recovery using API Dispersion test. (Advisor: Dr. Nelson Chavez)

- Investigated the ability of different concentrations of clay inhibitors to minimize hydration in reactive shales.
- Investigated the optimal concentrations of different clay inhibitors to achieve maximum cuttings recovery and hydration inhibition.
- Analyzed the effects of varying inhibitor concentrations on the rheological properties of drilling fluids, including viscosity and yield point.
- Measured the percentage of shale cuttings recovery across various inhibitor concentrations using API dispersion tests.

Geotechnical Laboratory, Department of Civil Engineering KNUST, Ghana - (January 2022 – November 2023)

**Research Work:** Laboratory investigation into the effect of compaction energy on engineering properties of lateritic sub-grade material. (Advisor: Prof. S.I. K Ampadu, Dr. Felix Jojo Ayeh)

- Designed a set of experiments to study the effect of compaction on soils
- Performed specific gravity, grading, Atterberg limits, Compaction, and CBR Tests on Soils
- Analyzed data using SPSS, R Studios, and Geoda to identify any patterns or trends in the results.
- Developed models and simulations to predict the behavior of soils under different compaction conditions.

Mining and Minerals Laboratory, Department of Geological Engineering, KNUST, Ghana - (Sept 2018 - May 2019)

**Research Work:** Mineral Resource Estimation of an Alluvial Gold using Inverse Distance Weighting (IDW) on Small-Scale Mining Concessions. (Dr. Chiri Amedjoe, Prof. Gordon Foli)

- Carried out field survey to collect data on alluvial gold deposits
- Defined a block model of the deposit and estimated the tonnage and grade of the mineral resources
- Validated the mineral resource estimates by comparing them with production data from the mining operations
- Conducted statistical analyses to assess the accuracy and precision of the estimates.
- Interpreted the results of the research and reported findings in a comprehensive research report

## **TEACHING AND MENTORING EXPERIENCES**

2024- Graduate Teaching Assistant for the Petroleum Engineering Faculty

2022 - Graduate Research Assistant for Geotechnical Engineering Faculty

## **WORK EXPERIENCE.**

*Ugur SH Mining, Head of Geology and Mining (May 2023-Present)*

- Oversee the exploration of placer deposits through pitting and washing of exposed gravels
- Supervision of grade control activities by testing and determining the grade of ore (gravel).
- Conducted the delineation and estimation of reserves and resources in full compliance with JORC Standards
- Reporting of monthly and annual geological returns to statutory bodies.
- Oversee all mining activities including stripping, loading, and hauling of ore.
- Oversee all mine-planning activities.

*Kibi Goldfields Limited, Geologist (September 2019 – May 2023)*

- Conducted geological field mapping, soil sampling, and rock sampling.
- Conducted drill core mark-up, core orientation, and logged RC chips to identify indicator minerals and conducted diamond core logging.
- Supervised exploratory drilling operations including auger drilling, reverse circulation drilling, and diamond drilling.
- Modelling of drill holes and plotting of structures
- Conducted geological mapping and sampling in remote locations to identify potential mineral deposits.
- Utilized various geophysical and geochemical techniques to evaluate exploration targets.

## **SOFTWARE PROFICIENCY**

- Haliburton DrillWorks, Predict, Haliburton Landmark Engineers Desktop (EDT)
- Petrel, Eclipse, CMG, T-Navigator
- ArcMap, QGIS, DataMine MapInfo, Surpac, Leapfrog, AutoCAD, Surfer,
- Microsoft Word, Excel, Access, and PowerPoint
- Data Analytics, Python Program

## **PROFESSIONAL CERTIFICATIONS:**

- Engineering Council of Ghana – ID-ECPE25CIV03614
- NCEES Fundamentals of Engineering (Civil) – ID 25-743-82
- Mining Foreman Certificate of Competency Surface Operation (ID-3084)
- IADC WellSharp, Drilling Operations Introductory Course (8468A315-BFFF51)
- Ghana Institute of Geoscientist –Associate Member (ID: AMGhIG-987)
- Ghana Institute of Engineering – Professional Engineer (ID: 12860)

## **SOCIETIES AND ACTIVITIES**

Society of Petrophysicists and Well Log Analysts, ULL Chapter   <i>President</i>	September 2024-Present
International Association of Drilling Contractors (IADC) ULL Chapter   <i>Member</i>	August 2024 – Present
American Association of Drilling Engineers (AADE) ULL Chapter   <i>Member</i>	August 2024 – Present
Society of Petroleum Engineers (SPE) ULL Chapter   <i>Member</i>	August 2024 – Present

## **REFERENCES**

Rick Farmer, Industry Adjunct, [warren.farmer@louisiana.edu](mailto:warren.farmer@louisiana.edu), 504.450.0554

Prof. Fathi Boukadi, [fboukadi@louisiana.edu](mailto:fboukadi@louisiana.edu), (337) 482-6148

Randy Andres, IADC Well Control Instructor, [randy.andres@louisiana.edu](mailto:randy.andres@louisiana.edu), 337.482.6556