Aramide MORONFOYE

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Email: amoronfoye@yahoo.com **LinkedIn**: www.linkedin.com/in/Aramide-Moronfoye
Science Blog: deepwaterlearning.com
Nationality: Nigerian **Date of Birth:** 30/07/1996

EDUCATION

Bachelor of Science in Geophysics, Texas A&M University (TAMU), College Station, Texas, USA. [August 2013 – May 2017]. Graduation with honors (***Cum Laude: First Class***).

Master of Research (M2) in Exploration Geophysics, University of Paris, France (formerly separate institutions: Institut de Physique du Globe de Paris (IPGP) + Paris-Didérot University) [September 2017 – June 2018]. Grade: ***Second Class-Upper***.

Relevant Course Work and Skills

Petroleum Seismology – Seismic Data Acquisition – Site Remediation – Advanced Numerical Modeling – Advanced Electromagnetics – Reservoir Petrophysics – Groundwater Hydrology– Data Science Methology

LINGUISTIC AND COMPUTER SKILLS

- Proficient in Matlab, Seismic Unix, Fortran, Java and Python

- **English**: Native Language
- **French:** Advanced Fluency- Writing and Speech

WORK AND RESEARCH EXPERIENCE

Geoterrain Nigeria Limited, Nigeria (December 2018 – November 2019)
Geoscientist

Key Achievements

- Developed new and efficient processing workflows for ground penetrating radar data
- Generated a novel regional mapping of aquifer seal across 70km in the Eastern Niger Delta (Project report presently being used as company reference material)
- Effectively documented a new company guide for processing and interpretation of petrophysical data

Responsibilities

- Java programming to manage and compile large amounts of stratigraphic and lithological data
- Subsurface interpretation and research via electrical resistivity methods and petrophysical tools
- Hydrogeological and geochemical assessment of crude oil impacted sites using soil and water samples
- Research on seismic interpretation methods in the Niger Delta

CGG, Massy, France (February 2018 – July 2018)
Intern in Research and Development Dept. (Seismic Imaging) under Dr. Thibaut Allemand

Key Achievement

- Successfully developed a comprehensive algorithm for Global Optimisation using Full Waveform Inversion (FWI) of seismic data

Responsibilities

- Extensive Fortran programming of Global FWI for 1D velocity modelling, using probabilistic approach (Monte Carlo simulation)
- Teamwork and collaboration with CGG geoscientists
- Reviewed scientific articles for publishing

Stanford University, Department of Geophysics, (2016)
Summer Undergraduate Research Intern under Dr. Simon Klemperer and Dr. Shuki Ronen

Key Achievements

- Developed 1D P and S wave velocity models using ocean bottom seismic data
- Efficiently processed of seismic refraction arrivals with C programming in Seismic Unix and modification of program to account for subtle P-S wave conversions
- Successfully presented PowerPoint and poster at Stanford Earth Science Symposium
- Presented research poster at **the AGU meeting December 2016**

Responsibilities

- Research review in marine seismology and collaboration with geophysics faculty
- Preparation of research progress presentations as requested

ExxonMobil, Nigeria (2015)
Summer Intern under Mrs. Nonny Nwogbo

- Seismic Acquisition and Interpretation in deep-water marine environment.

AWARDS AND ACHIEVEMENTS

- Distinguished Student, Geology and Geophysics Department, TAMU
- Dean's List Scholar, Geology and Geophysics Department, TAMU
- Winner of Texas Association of Creative Writing Teachers Fiction Award 2016
- Winner of the Gordone Awards in Non-Fiction 2017

HOBBIES & VOLUNTEERING

Hobbies

- ❖ Music: Cello
- ❖ Organizing artistic and educational events.
- ❖ Cuban Salsa
- ❖ Essay and Creative Writing

Volunteering

- ○ Book club leader at Nigerian secondary schools to encourage a joy for literature in young teens; an initiative of the Ignite Africa Library.
- ○ **Lagos State General Secretary** in the Educating Nigerian Girls in New Enterprises (ENGINE) program; an initiative of the Mercy Corps Organization. [2018 – 2019]