

OGUEJIOFOR CHIBUEZE NNAMDI

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EDUCATION	<p>University of Notre Dame (ND), Indiana, United States. <i>Doctorate (PhD) in Civil & Environmental Engineering and Earth Sciences .</i> 2020 - Present.</p> <p>International Centre for Theoretical Physics (ICTP), Italy. <i>Pre-PhD Diploma in Earth System Physics.</i> CGPA: 3.30/4.00 <i>Thesis: Local and Non-Local planetary boundary layer (PBL) schemes in WRF model - Impact on the Intensification of Tropical cyclone Idai (2019).</i> 2019 - 2020.</p> <p>The African Institute for Mathematical sciences, Rwanda. <i>Masters (MSc.) in Mathematical sciences.</i> <i>Thesis: Simulating the influence of sea-surface-temperature (SST) on tropical cyclones over South-West Indian ocean, using the WRF climate model.</i> 2018 - 2019.</p> <p>The University of Lagos, Nigeria. <i>Bachelors (BSc. Honours) in Geophysics.</i> CGPA: 4.74/5.00 (First Class - Overall best graduating student.) <i>Thesis: Integration of Amplitude Variation with Offset and Rock physics for Reservoir Fluid Discrimination (A case study of Jay Field, Onshore Niger Delta, Nigeria).</i> 2012 - 2017.</p>
RESEARCH INTERESTS	Atmospheric dynamics, Numerical modelling, Geophysical fluid dynamics, Machine learning, Turbulence and Parameterization of sub-grid scale processes.
TECHNICAL SKILLS	<p>Operating Systems : UNIX/Linux, Windows, OSX.</p> <p>Programming Languages : Python, Fortran90, Shell script (Bash) and SQL.</p> <p>Climate Data Analysis : CDO, Ferret, GrADS, NCO/NCL.</p> <p>Numerical Models : WRF regional climate model.</p>
PUBLICATIONS	† Chibueze N. Oguejiofor* and Babatunde J. Abiodun, 2019, <i>Simulating the influence of sea-surface-temperature (SST) on tropical cyclones over South-West Indian ocean, using the UEMS-WRF regional climate model</i> , preprint arXiv:1906.08298v1.
RESEARCH EXPERIENCE	<p>‡ Local and Non-Local planetary boundary layer (PBL) schemes in WRF model - Impact on the Intensification of Tropical cyclone Idai (2019). (Advisor: Graziano Guiliano).</p> <p>‡ Simulating the influence of sea-surface-temperature on tropical cyclones over South-West Indian ocean, using the WRF model. (Advisors: Professor Babatunde J. Abiodun and Dr. Izidine Pinto).</p> <p>‡ The Integration of Amplitude Variation with Offset and Rock physics for reservoir characterization. (Advisor: Dr. Sunday Oladele).</p>

WORK EXPERIENCE

Remote Data Engineer (Indicina.) **Sep 2018 - Sep 2019.**

Building and optimizing machine learning models for large scale datasets. Feature engineering and database management.

Datascientist (KPMG.) **Feb - Aug 2018.**

Built and deployed a Churn model for Bank-x as a web application and suggest the Next-Best-Offer to be used for prevention of customer churn.

Datascience intern (One Finance ltd.) **Nov 2017 - Jan 2018.**

Text mining from mobile information for feature engineering. Building machine learning models for credit scoring of customers from MixPanel data source.

Geophysicist intern (University of Lagos.) **Jul - Dec 2016.**

Research on hydrocarbon prospectivity of various geological basins including Niger Delta and West-Waha using RockDoc, Petrel and Hampson-Russel softwares. I represented my institution at the Imperial Barrell Award (IBA) as the team petrophysicist, coming first runner up.

CONFERENCES /WORKSHOPS

‡ Datascience Nigeria two-week Bootcamp on Machine learning.
Lagos, Nigeria. **2017.**

HONOURS /AWARDS

‡ UNESCO/IAEA Study Grant - International Centre for Theoretical Physics, Italy. **2019.**

‡ Mastercard Foundation scholarship award for Masters in Mathematical sciences. **2018.**

‡ HODs prize Overall Best graduating student, Department of Geosciences. **2018.**

‡ Imperial Barrel Award (IBA) First runner-up for African sub-region. **2017.**

‡ AAPG - L. Austin Weeks foundation scholarship grant. **2017.**

‡ 1st Runner up Data science Nigeria. (Machine learning competition) **2017.**

‡ TOTAL EP Sponsorship to the Nigerian Association of Petroleum Exploration international conference. **2016-2017.**

‡ MTN Foundation Scholarship for outstanding academic performance. **2013-2017.**