Tenice Nangoo

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Summary

Differentiated capability through optimisation, a form of data-guided deep-learning. Next generation of velocity model building on the cloud with more predictive power.

2021 - Finalist for Micro Business of the Year at the Growing Business Awards
2021 - Formation of a strategic partnership with Halliburton and AWS for carbon capture and storage
2021 - Microsoft for Startups Award - US $120k Azure Cloud Credits
2020 - 3x nominations at the Lloyds Business Awards (Growth through Innovation, Data Excellence, Artificial Intelligence)
2020 - Execution of the energy industry's first 1m core cloud-native computational workload with Woodside and AWS
2019 - Selection for pilot at exploration hotspot with Tullow Oil and AWS

Experience

Operations Lead

S-Cube

Jan 2019 - Present (3 years 2 months +)
Responsible for developing and delivering a robust technique that overcomes cycle skipping, allows for deeper penetration and automated salt delineation on the cloud, to E&P clients. Deployments in Central Atlantic Margin and Gulf of Mexico.

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Senior Geophysicist

S-Cube

Sep 2015 - Dec 2018 (3 years 4 months)
Responsible for technical advancements and deployment of S-Cube's velocity model optimisation toolkit (XWI) hosted on AWS, Deployments on acreage offshore Australia, Barents Sea and North Sea (Norwegian and Danish sectors).

Geophysicist

Trinity Exploration and Production Plc

May 2014 - Sep 2015 (1 year 5 months)
Structural mapping of 3D pre-stack time migrated data in the Brighton Marine Field, offshore Trinidad. Identified stratigraphic plays. Designed 3D seismic survey to further improve the subsurface imaging and reduce risk associated with plays to maximise the value of the asset.

Geophysicist
Woodside Energy
Jul 2013 - Dec 2013 (6 months)
Responsible for developing and deploying FWI velocity model optimisation, and scenario testing to aid in the design of seismic surveys. Deployment in North West Shelf Australia.

Graduate Geophysicist
Tullow Oil
Sep 2012 - Dec 2012 (4 months)
Responsible for deploying full waveform inversion (FWI) to North Sea asset using to a towed-streamer conventional narrow-azimuth data. Resolved shallow channels that hinder deeper reservoir imaging. These are impossible to resolved using conventional tomography methods.

Graduate Geophysics Intern
PGS
Jun 2009 - Aug 2009 (3 months)
"Analysis of reservoir attributes derived after pre-stack time migration of seismic data in the Northern North Sea." Integrated seismic interpretation with attribute analysis and well data to determine the deposition system, hydrocarbon distribution and prospectivity of the Eocene aged Frigg deposits.

Graduate Geoscientist
Primera Oil and Gas Limited
Nov 2006 - Sep 2008 (1 year 11 months)

Education

Imperial College London
Doctor of Philosophy (Ph.D.), Exploration Geophysics
2009 - 2013
Seismic full-waveform inversion of 3D field data - from the near surface to the reservoir

Imperial College London
Master of Science (MSc), Petroleum Geophysics
2008 - 2009

University of the West Indies, St. Augustine Campus
Bachelor of Science (BSc), Petroelum Geosciences (Geology major)
2003 - 2006

Skills

Geophysics • Seismic Imaging • Inversion • 3D Seismic Interpretation • Geology • AVO • Seismic Attributes

Honors & Awards

PGS Award - Best MSc. Dissertation Project - Imperial College London, Department of Earth Science and Engineering
Aug 2009

SEG Award - GEOPHYSICS Best Paper Award - Society of exploration geophysicists
Oct 2013
Anisotropic 3D full-waveform inversion
http://library.seg.org/doi/full/10.1190/geo2012-0338.1
https://wiki.seg.org/wiki/Best_Paper_in_Geophysics_Award

Dean's Honor Roll Award 2005/2006 - University of the West Indies, Faculty of Engineering
Jun 2006