Saleh Z. AL-Atwah

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Education

Aug 2009 | May 2013	**B.S. in Geoscience**, *The University of Tulsa*, GPA: 3.569, *Tulsa, OK, USA*.

Work Experience

July 2013 – June 2014
Geologist, *Geosteering Operations Center - Saudi Aramco*, Saudi Aramco.
- Geosteering operations where i geosteered horizontal wells in the reservoir to maximize oil/gas production

June 2014 – September 2014
Geologist, *Geophysical Data Processing Dept.- Saudi Aramco*, Dhahran, Eastern Province.
- Seismic data proccesing for both 3d volumes and 2d lines

September 2014 – April 2015
Geologist, *Regional Resource Assessment Department - Saudi Aramco*, Dhahran, Eastern Province.
- Created a regional model for Jurassic section of Rub' al khali

April 2015 – July 2015
Geologist, *Area Exploration - Saudi Aramco*, Dhahran, Eastern Province.
- Generated a stratigraphic trap prospect in the TKMN area in south of rub al khali

July 2015 – April 2016
Geo modeler, *Reservoir characterization dept. - Saudi Aramco*, Dhahran, Eastern Province.
- Developed a 2d and 3d models of several gas and oil feilds

April 2016 – December 2016
Petrophysicist, *Reservoir description Div. - Saudi Aramco*, Dhahran, Eastern Province.
- Covered all exploration petrophysical operations . Conducted a detailed regional study to quantify clay minerals in all pre-khuff reservoirs using XRD data , the result of this study impacted the evaluation of the reservoirs and decreased uncertinity

December 2016 – Present
Reservoir Petrophysicist, *Reservoir Characterization Dept - Saudi Aramco*, Dhahran, Eastern Province.
- Building saturation height functions for complex reservoirs mainly carbonates with multiple pore systems under Edward clerke in Reservoir characterization department in special studies team

January 2018 – Present
Data Scientist - Free lance, *Data Science*, Dhahran, Eastern Province.
- Building Machine Learning and Deep Learning models to predict insights of clients data and create value

Skills

Programming Languages	Python, Visual Basic, HTML
Graphic designing	Adobe Photoshop, Adobe Illustrator
Python Programing Languge	Machine Learning, Deep Learning, AI, Automation, Computer Vision, GIS
E&EP software	Petrel, Techlog, Geolog, Petrosys
Linux	Debian & Arch

Courses

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• Fundamentals of Petroleum Systems Analysis • Openhole Logging Tools and Applications • Sedimentology and Sequence Stratigraphy Fundamentals • Clay Mineralogy in Clastic Reservoirs • Shaly Sand Petrophysics • Coring and Core Analysis • Geostatistics: Theory and Practice • Petrophysical Data-Driven Analytics: Theory and Applications • Subsurface Mapping and Standards • Carbonate Sedimentology and Sequence Stratigraphy • Carbonate Petrophysics • Structural Geology and Structural Styles • Capillarity in Rocks • Gravity and Magnetic Methods

Awards

Barrel Awards Winner, *July 2015*.
Won the barrel awards competition for the best prospect
Saudi Aramco

DGS award, *May 2018*.
In recognition of profound contribution to DGS in 2017-2018
Dhahran geological society

A.N. Murray Award in Geosciences, .
The University of Tulsa

Patent filed : "System and method for detection of carbonate core features from core images", *March 2020*.
Serial No. 17,001,932
The United States Patent and Trademark Office