

Dhahran , Eastern Province, Saudi Arabia

+966541699490

saleh.z.atwah@gmail.com

atwahsz.github.io

Saleh Z. AL-Atwah

Education

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

Work Experience

- July 2013 – **Geologist**, *Geosteering Operations Center - Saudi Aramco*, Saudi Aramco.
- June 2014 ○ Geosteering operations where i geosteered horizontal wells in the reservoir to maximize oil/gas production
- June 2014 – **Geologist**, *Geophysical Data Processing Dept.- Saudi Aramco*, Dhahran, Eastern Province.
September 2014 ○ Seismic data proccesing for both 3d volumes and 2d lines
- September 2014 – **Geologist**, *Regional Resource Assessment Department - Saudi Aramco*, Dhahran, Eastern Province.
April 2015 ○ Created a regional model for Jurassic section of Rub' al khali
- April 2015 – **Geologist**, *Area Exploration - Saudi Aramco*, Dhahran, Eastern Province.
July 2015 ○ Generated a stratigraphic trap prospect in the TKMN area in south of rub al khali
- July 2015 – **Geo modeler**, *Reservoir characterization dept. - Saudi Aramco*, Dhahran, Eastern Province.
April 2016 ○ Developed a 2d and 3d models of several gas and oil feilds
- April 2016 – **Petrophysicist**, *Reservoir description Div. - Saudi Aramco*, Dhahran, Eastern Province.
December 2016 ○ 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 uncertainty
- December 2016 – **Reservoir Petrophysicist**, *Reservoir Characterization Dept - Saudi Aramco*, Dhahran, Eastern Province.
- Present ○ 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 **Data Scientist - Free lance**, *Data Science*, Dhahran, Eastern Province.
– Present ○ 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 Programming Language | Machine Learning, Deep Learning, AI, Automation, Computer Vision, GIS |
| E&EP Software | Petrel, Techlog, Geolog, Petrosys |
| Linux | Debian & Arch |

Courses

• **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**, .

Achievements and Awards

A.N. Murray Award in Geosciences, *May 2012*.

The University of Tulsa

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

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

EAGE GeoHack 2nd Place Award, *December 2019*.

Scored 2nd place in EAGE hackathon held in Manama, Bahrain.
EAGE