Edvaldo Francisco de Melo Neto
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Objective:
Work as a Data Scientist.

Summary of Professional Qualification

Programming experience in Python, C/C++ and Matlab. Also in the development of Neural Networks, such as, MLP, CNN and LSTM, for classification and forecasting tasks. Additionally, has experience in Image Processing, Graphs and Numerical Simulations.

Published Articles:

Identifying the Predominant Pore Directions in a Porous Medium: An Application to Reservoir Rock Core Samples - Fifth EAGE Workshop on Rock Physics, Milan, Italy - 2020.

Automatic classification of hydrocarbon "leads" in seismic images through artificial and convolutional neural networks - Computers & Geosciences - 2019.

Academic Education

Master's student in Informatics
Federal University of Paraíba (UFPB)
Completion in december 2020

Bachelor in Computational Mathematics
Federal University of Paraíba (UFPB)
Completion in november 2018

Professional Experience

Laboratory: Petroleum Engineering Modelling Laboratory (LaMEP).
Function: Acting in the lines of Artificial Intelligence and Digital Petrophysics.
Period: 2017 - 2020

Responsible for using Artificial Neural Networks in the development of the research project for CENPES/PETROBRÁS. Among these problems, the following stand out: Oil Production Forecasting in Reservoir Wells and Classification of Seismic Images.

Complementary Training

Python Programming from Basic to Advanced - Geek University
C++ Language - Softblue