

**Edvaldo Francisco de Melo Neto**

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**Objective:**

Work in the Machine Learning área.

**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 Media: An Application to Reservoir Rock Core Samples - Fifth EAGE Workshop on Rock Physics, Milan, Italy - 2020.

Automatic classification of hydrocarbons “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