Victor Lemos

Machine Learning Engineer & Data Scientist

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in victor-lemos-ml

Profile

ML Engineer and Data Scientist enthusiast in the area of Machine Learning working mainly with **Neural Networks** for **time series** and **NLP, Image Processing** and managing the **lifecycle** of a **ML** model.
• Experience leading a **ML** team.

• Strong understanding of several **classification**, **regression**, **NLP** and **clustering** techniques.

• Experience building large scale Machine Learning models.

• Handling **MLOps** responsibilities, such as **Training**, **Deployment** and **Monitoring**, etc.

• Experience working on an international project (**Cargill**).

• Fast-adapting professional and easy to relate to in a team.

Skills

• **Languages**: Python, Javascript, C#

• **Libraries/Frameworks**: Tensorflow, PyTorch, HuggingFace, OpenCV, Scikit-learn, MLFlow, Anaconda, Jupyter, Numpy, Pandas, Dask, Django, Flask, Docker, Kubernetes, .NET Core and Git

• **Databases**: MySQL, Oracle, Postgres and SQLite

• **Cloud Services**: AWS and Azure

Experience

Machine Learning Engineer
May 2021 - now

Consolide - Ararangua, Santa Catarina, Brazil

Machine Learning Engineer leading AI/Python team in projects involving:
• Applying **NLP** solutions for trademark matching

• Applying **BERT** for Text classification

• **Speech to text** transcription

• Development of **Scoring** model using **Phonetic** and **grammatical** similarity

• Handling **Machine Learning** model **lifecycle**

• **Stack**: Python, PyTorch, Tensorflow, Scikit-learn, Pandas, Dask, MLFlow, Django MySQL e Docker

Machine Learning Researcher
Mar 2019 - Jun 2021

Vision and Image Processing Lab (VIPLab) - São Luís, Maranhão, Brazil

Working in research on time series prediction using a convolutional network approach. This research resulted in a publication in the 2020 IEEE International Conference on Systems, Man, and Cybernetics (SMC) called Temporal Convolutional Network applied for Forecasting Individual Monthly Electric Energy Consumption and also was part of my Master`s dissertation.
• **Stack**: Tensorflow, Keras, hyperopt, scikit-learn, Pandas, Numpy and Oracle

Data Scientist
Feb 2021 - May 2021

Equatorial Energia - São Luís, Maranhão, Brazil

Data Scientist working in the collection`s department of one of the largest power companies in LATAM responsible for doing:
• **Pattern recognition** and analytics

• Employing Customer Segmentation and **Scoring** models

• Building and management of **Machine Learning models**

• Creating and management of **ETL** Pipelines

• **Stack**: Python, C#, Scikit-learn, Pandas, Dask, Numpy, Oracle, SQLite, Jenkins and SAP Data Services

Experience

Back-end Developer

SAMCORP Solutions - Curitiba, Paraná, Brazil

Outsourced back-end developer at Cargill in an international project to create a system for managing grain purchase and sale contracts.
• Collaborating with international team

• Developing micro-services

• Making presentation of sprint achievements to the clients

• **Stack:** C#, .NET Core, Swagger, MySQL and SQL Server.

R&D Scientist
Mar 2019 - Aug 2020

NCA/Equaltorial Energia - São Luís, Maranhão, Brazil

I worked as a R&D Scientist in a project called SISHCO, a collaboration between NCA and Equatorial Energia. The objective with SISHCO was to develop an adaptive parameter definition tool for the critique of the electrical energy consumption function using Deep Learning and Survival Analysis.
• Monthly prediction of power consumption using state-of-the-art regression methods.

• Meta-classifier to determine the best performing forecasting model for each costumer

• Approach for predicting consumption when costumer has small or lack of historical data

• **Stack**: Tensorflow, Keras, Oracle, Pandas, Numpy and Django

R&D Intern
Nov 2017 - Mar 2019

NCA/Equaltorial Energia - São Luís, Maranhão, Brazil

I worked as a R&D Intern in a project called SAUL, a collaboration between NCA and Equatorial Energia for the development of a tool for self-organizing construction of reading clusters using methods of computational intelligence and Geographic Information Systems.
• A WebGIS application was developed for performing a manual organization of groups of consumer units for consumption reading.

• An optimization module was then developed that was integrated as a service through the Django framework.

• ML model responsible for the automatic generation of clusters and organization of consumer units.

• **Stack**: Python, C#, Keras, Scikit-learn, Django, Pandas, Numpy, Anaconda and Oracle

Education

Master in Computer Science
Mar 2018 - Jun 2021

Federal University of Maranhão - São Luís, Maranhão, Brazil
• Master's degree focused on **Time Series Analysis**, **Machine Learning**, **Neural Networks** and **GPU Acceleration**.

• **Dissertation**: Individual Estimation of Electric Consumption Using Temporal Convolution Network.

Bachelor in Computer Science
Sep 2014 - Dec 2018

Federal University of Maranhão - São Luís, Maranhão, Brazil
• Focus on **Augmented** and **Virtual Reality**, **Computer Graphics**, **Image Processing** and **Machine Learning**.

• **Monography**: Development of a Computer Simulation Visualization Application in AR Applying Participatory Design.

Languages

Portuguese	Native	**English**	Fluent	**Spanish**	Proficient