João Paulo Canário

Machine Learning Engineer

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PROFESSIONAL EXPERIENCE

CI&T 2021 - present

Machine Learning Engineer, Data Scientist

- Aid the machine learning model creation for a recommendation system of the Via Varejo company.
- Assist in the build and growth of the Python Platform for Machine Learning, Data Science, and MLOps for the Via Varejo company.

NeoDados Analytics 2018 - 2021

Senior Software Engineer, Machine Learning

- Architect REST APIs for systems integration and managed all phases of the software development lifecycle.
- Develop a document automation system that increased by 800% the productivity of the fraud analysis team.
- Create an async image classification system that processes 1M images/day with over 80% accuracy.
- Create an ETL workflow to ingest data on a fraud detection system to process over 500K bus card usage data per day.

EchoFlow Engineering 2015 - 2017

Computer Vision Engineer

- Develop a computer vision system with 94% precision to detect patterns in oil transport.
- Develop a REST API for an online water supply management system.

Instituto Reconcavo de Tecnologia 2008 - 2014

Software Engineer

- Re-architected a computer factory management system.
- Developed over 40 educational games

SKILLS

Programming *(Python, Celery, Docker, FastAPI, Redis, RabbitMQ, REST API, Shell Script, Git)*

Science *(Machine Learning, Computer Vision, Deep Learning, Data Science)*

Data *(ETL, Azure Databricks, PySpark, NumPy, Pandas, OpenCV, Scikit-Learn, Keras, TensorFlow, PyTorch, SQL, Relational and Non-Relational Databases)*

EDUCATION

PhD in Computer Science Sep 2017 - May 2022
Federal University of Bahia
On deeply learning features for noisy time series classification

PUBLICATIONS

A face detection ensemble to monitor the adoption of face masks inside the public transportation during the COVID-19 pandemic 2022
Multimedia Tools and Applications

Ethics of AI: Do the Face Detection Models Act with Prejudice? 2021
Brazilian Conference on Intelligent Systems

In-depth comparison of deep artificial neural network architectures on seismic events classification 2020
Journal of Volcanology and Geothermal Research

Llaima volcano dataset: in-depth comparison of deep artificial neural network architectures on seismic events classification 2020
Data in Brief

Using CNN to classify spectrograms of seismic events from Llaima volcano (Chile) 2018
International Joint Conference on Neural Networks

Recognition of facial expressions based on deep conspicuous net 2015
Iberoamerican Congress on Pattern Recognition