João Paulo Canário

Software Engineer, Machine Learning

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LinkedIn

Github

PROFESSIONAL EXPERIENCE

NeoDados Analytics 2018 – present

Senior Software Engineer, Machine Learning

- Architected REST and GraphQL APIs for systems integration and managed all phases of the software development lifecycle;
- Developed a document automation system that increases by 800% the productivity of the fraud analysis team;
- Architected and led the development of an async image classification system that process 1M images/day with over 80% accuracy;
- Designed 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

- Designed and led the development of a computer vision system with 94% precision to detect patterns in oil transport;
- Developed 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 and developed educational games.

Geotecnia Lab of Polytechnic School 2007 – 2008

Internship

- Assisted in the development of a car classification system based on fuzzy logic.

SKILLS

Programming *(AI, Machine Learning, Computer Vision, Deep Learning, Pattern Recognition, Data Analysis, Data Science, Python, Celery, Docker, NumPy, Pandas, FastAPI, Redis, RabbitMQ, OpenCV, scikit-learn, Git, Keras, TensorFlow, MongoDB, REST, GraphQL, Flask, R, SQL, ETL.)*

EDUCATION

PhD in Computer Science 2017 – present

Federal University of Bahia

On deeply learning features for noisy time series classification

PUBLICATIONS

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