JÚLIO MIGUEL BRAZ DA COSTA SILVA

M.Sc Electronics and Telecommunications Engineering

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📍 Aveiro, Portugal

WORK EXPERIENCE

High-Performance Data Analyst - (Full/Hybrid) Remote
Wavecom

📅 Jan 2021 – Present Time   📍 Aveiro, Portugal

BigHPC https://bighpc.wavecom.pt/

- Development of a monitoring solution for High Performance Computers.
- Moderator of the Webinar "Is HPC ready for "Big" Data Storage?"
- Work with partners from different different nationalities.

EDUCATION

Master Degree in Electronics and Telecommunications Engineering
University of Aveiro

📅 2014 – 2020   📍 Aveiro, Portugal

UNIVERSITY PROJECTS

Master Thesis
University of Aveiro

📅 2019-2020 (1 year)   📍 Aveiro - Portugal

Recovery and Identification of Moments in Images

- Development of a python automatic image retrieval system capable of associating images to moments described in text. Some of the libraries used were SpaCy, ImageAi, OpenCV, Keras, TensorFlow and JSON. The system participated in the annual international ImageCLEF challenge.
- **Grade** : 19/20.

Computer Vision Project
University of Aveiro

📅 2019 (3 months)   📍 Aveiro - Portugal

Automatic License Plate Detector

- Development of a prototype system capable of comparing and validate, in real time, pictures of license plates taken by a camera with license plates in a database. This was achieved with computer vision.

PUBLICATIONS

📄 Article

- Ricardo Ribeiro, Júlio Silva (2020). "UA . PT Bioinformatics at ImageCLEF 2020 : Lifelog Moment Retrieval Web based Tool".

TECH SKILLS

Python SQL TimescaleDB Docker Linux Elasticsearch Kibana Grafana Postgres Prometheus Promscale TimescaleDB Fluentbit PromQL HPC Lustre File System JSON MATLAB Singularity Gitlab vmAgent

PYTHON LIBRARIES

Seaborn Pandas PandasSQL NumPy Psutil TensorFlow Keras ImageAI Matplotlib OpenCV SpaCy

KNOWLEDGE / INTERESTS

Metrics Extraction/Processing Databases Pattern Detection Data Science Automatization of tasks Data Visualization Data Processing Computer Vision Scene Recognition Image Processing Image Classification Deep Learning Neural Networks Feature Extraction Natural Language Processing Machine Learning Object Detection

STRENGTHS

Communication Analytical Thinking Patience Research Teamwork Attention to detail Hard-Working Eager to learn Innovative Thinking

LANGUAGES

Portuguese (Native) English (Fluent)

DRIVER LICENCE

B1 B