ANTÓNIO FERREIRA

SUMMARY

As a student of Computer Engineering and Multimedia, where I've acquired diverse technical skills, ranging from frontend development to backend systems.
Through a variety of languages and technologies, I've explored topics such as interface design, artificial intelligence and networks.

CONTACT

Nationality: Portuguese

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EDUCATION

- **ISEL - Instituto Superior de Engenharia de Lisboa (2019-2024)**

LANGUAGE SKILLS

- **Mother Tongue(s):** Portuguese
- **Other Language(s):** English

DIGITAL SKILLS

Bootstrap / CSS / Git / HTML / Java / JavaScript / JSON / Linux / Google Cloud / Microsoft Office / Microsoft Project / PHP / Python / SQL / XML / REST API's / Arduino / Firebase / Unity / Blender / Rust / Kotlin

PROJECTS

- os-Ticket API, PHP and SQL

  Developed a Rest API for os-Ticket, which allows users to create, close, edit, and suspend tickets. Suspend is a new state that software doesn't support and needs to be integrated, respecting the service level agreement of each ticket.

  Service level agreement is the time agreed that someone has resolved a ticket.

  For security purposes, the ability of user authentification, where users have their permissions associated with an API key

- IMDB Movie Review Sentiment Classification, Python

  An Application that analized more than 50k movie reviews from iMBD, in order to get a sentiment on how the users recevied the movies.

  Was used 3 supervised classifires, logistic regression, linear SVC and random forest and 2 non-supervised, k-nearest neighbors (knn) and SVM (Support Vector Machine).

  The data was also cleaned and transformed, using the TF-IDF feature extraction, to vectors so it could be used on the classifiers. On this project the python libraries scipy, numpy, matplotlib, sklearn, pandas and pickle were used.

- Clound Computing, Java

  It uses Google Cloud Infrastructure (GCI) to send images to the cloud, detect landmarks, and store data, such as the results in Firestore and the images in storage.

- Robot Controler, Java

  Implements a process composed of tasks in Java and synchronizing them using semaphores and monitors. It also aims to develop graphical interfaces in Java Swing using the WindowBuilder graphical editor.

  The goal is to develop the ADMINISTRATOR process, which consists of three Java tasks: the WANDER task, the AVOID task, and the FLEE task. Both the process and the tasks interact with the robot's API.