

Francisco Ferreira Salema Garção

Highly motivated, autodidact and quick learner. Always eager to learn and improve, both personally and professionally.



Info

Nacionality: Portuguese

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Languages

- Portuguese ●●●●●●
- English ●●●●●●
- Spanish ●●●●●●
- Dutch ●●●●●●

Programming

- Python ●●●●●●
- SQL ●●●●●●
- Bash ●●●●●●
- JavaScript ●●●●●●
- VBA ●●●●●●

Tools

- Git ●●●●●●
- Airflow ●●●●●●

Operative Systems

- GNU/Linux ●●●●●●
- Windows ●●●●●●

Commercial Software

- Mscft. Excel ●●●●●●
- Mscft. Word ●●●●●●
- Mscft. PwPt ●●●●●●

Hobbies

- Reading
- Traveling
- Programming

Education

Mechanical Engineering Masters 2011-2017

Systems Department.

Instituto Superior Técnico, Lisboa, Portugal.

Master's Grade Average: 15/20

Professional Experience

Standardization Engineer - Rademaker 2018-2019

Automating the process of machinery design in CAD, using Solidworks, VBA and DriveWorks.

Collection, processing, and analysis of sales data to evaluate which components should be batch produced.

Backend Developer - Massarius 2020

Development of ETL process based on Airflow and Google Cloud Platform, extracting data using API and loading it into Google BigQuery, postprocessing of data and dashboards creation. Development of productivity tools to be used by the team.

Extracurricular Activities

JUNITEC 2016-2017

University's junior company. Member of the technical department.

Skills: Team-work, Communication, Event Organization

Notable Projects

Master's Dissertation

Grade: 17/20

Development of device (Bitalino, Arduino and Bluetooth) to collect biological data from a pilot.

Development of a python script to collect and process the data, that served as input to a predictive model. It was possible to detect situations where the pilot had an increased risk of hypoxia.

Skills: Python, Arduino, data processing, L^AT_EX₂, Git

Techstorm

2nd Place

28 hours to develop an electronic product and present it in a 3 min pitch. The team was awarded the second place.

Skills: Team-work, Communication, Python, Arduino

Biogamming

EMG and Arduino based product with the objective of controlling video games with muscle movement.

Skills: Team-work, Communication, Python, Arduino