

Gonalo Fazenda

✉ goncalofazenda99@gmail.com

🇵🇹 Portuguese 🚗 B

in Gonalo Fazenda



Professional Experience

10/2019 – 04/2020
Almada, Portugal

IoT Developer (Internship), Albatroz Digital [↗](#)

Responsible for the research, design, and implementation of the IoT module for the "Plataforma Inteligente para Gesto Agrcola" project at Albatroz Digital, composed of a long range (LoRa) communication system for GPS tracking.

Education

09/2019 – 12/2022
Almada, Portugal

Masters in Computer Science and Engineering,

NOVA School of Science and Technology

Master's Thesis - Attribute Selection for Unsupervised and Language Independent Classification of Documents.

The main goal of the thesis was to build a system capable of mining features from *corpora* in an unsupervised manner, in order to correctly cluster the documents and to classify new document entries to the system.

09/2016 – 06/2019
Almada, Portugal

Bachelors in Computer Science and Engineering,

NOVA School of Science and Technology

2013 – 05/2016
Pova Sta Iria, Portugal

High School, D. Martinho Vaz de Castelo Branco

Skills

Organizational Skills

Good leadership skills, good team spirit and spirit of sacrifice, from 10 years of Karate practice, and team coordination.

Digital Skills

Latex Software, Python and C++ Programming Languages, Microcontrollers (Arduino and ESP) and IoT, Git/GitHub, Linux, Machine Learning Algorithms, Unsupervised Learning, Text Mining.

Organizations

08/2019 – 08/2020
Almada, Portugal

Computer Science Club NOVA School of Science and Technology,

Vice-President

10/2018 – 08/2019
Almada, Portugal

Computer Science Club NOVA School of Science and Technology,

Member of the Project and Image team

04/2022
Almada, Portugal

ExpoFCT

An annual event at NOVA School of Science and Technology, that invites high and middle school students to visit the campus.

Languages

English

Cambridge English Level 1 Certificate in ESOL
International (Preliminary) - Pass with
Distinction (level B2)



Portuguese

Native



Seminars and Webinars

11/2021 – 11/2021

TechShareDay 2021 (TSD2021), IoT and Artificial Intelligence themed webinars from different industrial sectors and applications [↗](#)

Attended Webinars:

- Artificial Intelligence applied to Human Health
- From data to knowledge to action: Machine Learning in the biomedical field
- Open Data for Smart Cities and Public Administration
- From data analysis to industrial applications
- IoT and Artificial Intelligence applied to intelligent transportation system

10/2021 – 10/2021

AWS Machine Learning & Analytics Innovation Webinar Series, Webinars regarding Machine Learning and Artificial Intelligence integrated in Amazon Web Services (AWS)

Attended Webinars:

- Create, train, and deploy machine learning (ML) models with Amazon Redshift using familiar SQL commands
- Access deeper insights with Machine Learning in your dashboards
- Analytics & AIML for Citizen Data Scientists and Business Analysts
- Building a global ML Platform with AWS

Projects

Data collection platform with arduino, Calculating the speed of a moving object

Simple track with sensors and arduinos, calculates the speed at which an object (either a car or a ball) passes through gates and computes the speed, alongside the Velocity Time graph.

Remote Controlled Car (WiFi/Bluetooth)

Utilizes a centralized server to handle communication with a mobile application that allows for the control of the RC Car. Allows 2 or more "players" to control at the same time, one for each wheel, and the third one (the imposter) that sabotages the wheel, stopping it from turning.

Mini Weather Station utilizing Thingier.io platform for data analysis and display

Currently installed at my previous school the weather station monitors humidity, current temperature and atmospheric pressure, and sends the data through WiFi for display at the Thingier.io platform.

Door lock with Radio Frequency Identification

Door lock using RF-ID cards and servos to rotate and lock the door, with an arduino microcontroller encased in a 3D printed case modelled by me.

Interests

3D Printing and 3D CAD modelling (Owner of an Ender 3 V2 and proficiency in CAD software (Fusion360)),
Music (Guitar player for 8 years)