

Francisco Gonçalves

SOFTWARE ENGINEERING STUDENT @ FEUP · PORTO, PORTUGAL

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Education

Faculty of Engineering of the University of Porto (FEUP)

Sep 2018 - Jul 2023 (expected)

BACHELOR  AND MASTER  IN INFORMATICS AND COMPUTING ENGINEERING

Porto, Portugal

- Completed **bachelor degree** with cumulative GPA **15/20**
- **Relevant coursework** Web App Development, Algorithms and Data Structures, Databases, Artificial Intelligence
- Currently enrolled in year 2 (out of 2) in the **Masters degree** with cumulative GPA of **17.5/20**
- **Relevant coursework** Full Stack Development, IOT for factory management, P2P Timeline, Semantic Web App Development

Professional & Other Experiences

Erasmus Student

Aug 2022 - Dec 2022

AALTO UNIVERSITY SCHOOL OF SCIENCE  in

Espoo, Finland

- Studied computer science abroad at Aalto University, in Espoo, Finland as an exchange student part of the Erasmus program

Active Member

Nov 2020 - Present

NIAEFEUP - INFORMATICS ENGINEERING STUDENT BRANCH @ FEUP  in

Porto, Portugal

- Contributed to and co-organized a variety of projects/events

Participant

Jul 2014 - Present

OTHER EXPERIENCES

- 5 Camiños de Santiago
- Interrail across Europe (24 days)
- Volunteering focused on visiting and helping elderly people

Projects

TTS - Time Table Selector

Apr 2022 - Aug 2022

REACT, TYPESCRIPT, TAILWINDCSS, DOCKER

Team of 3 active developers

- Developed platform for University of Porto students to build their schedules.

Internet of Everything "Everything is connected. Not just the devices."

Oct 2021 - Jan 2022

DOCKER, JAVASCRIPT, JAVA, PYTHON, REACT, TAILWINDCSS

Team of 20 people


- Collaboratively developed a **factory management and maintenance platform**
- Responsible for the web interface of the platform that allows to monitor and simulate factory behavior
- Adopted the LeSS (Large-Scale Scrum) Agile framework, to iteratively progress towards a meaningful MVP

Virtual Assistant for Critical Manufacturing's Manufacturing Execution System

Feb 2022 - Jul 2022

TYPESCRIPT, ANGULAR12, PYTHON, SPACy, DOCKER

Team of 8 people

- Developed a virtual assistant to facilitate navigation and interaction with Critical Manufacturing's Execution System
- Created a 'small startup' and branding around the adopted project: **Robin** 

Semantic Web Health Information Platform

Nov 2021 - Jan 2022

NODEJS, EXPRESS, REACT, TAILWINDCSS, SPARQL

Team of 3 people

- Developed a **health information platform** using DBPedia and Bioportal datasets, providing accurate and approved details about diseases.

TechCouncil - Collaborative Q&A Hub for all Tech Related issues

Feb 2021 - Jun 2021

PHP, LARAVEL, JAVASCRIPT, HTML, BOOTSTRAP5, CSS, POSTGRESQL, DOCKER

Team of 4 people

- Developed a web app/platform (using Agile methodology) where users can post questions and share answers for everything tech-related.
- Performed tasks regarding planning, specifications, webpage mockups, database design and frontend and backend development.

Football Matches Outcome Prediction

May 2020 - Jun 2020

PYTHON, JUPYTERNOTEBOOK, NUMPY, PANDAS, SciKITLEARN, TENSORFLOW, MATPLOTLIB & KAGGLE DATASETS

Team of 3 people

- Created a tool that uses Supervised Learning models to harness a dataset of around 25k football matches in order to predict the outcome of other matchups according to a set of classes (win, draw, loss, etc.)
- Compared Machine Learning algorithms, such as K-Nearest Neighbours, Decision Tree, Naive Bayes and Neural Networks

OpenCX - Mobile App for Conferences

Oct 2019 - Jan 2020

FLUTTER, DART, SQLITE, GHERKIN, BLUETOOTH

Team of 4 people

- Contributed to an open source project by developing a mobile app for campus navigation, that allows the user to conveniently navigate and locate points of interest within the campus of the conference.

Skills

Technical

Git 4 years • HTML, CSS, PHP/Laravel, SQL 2 years • JS/TS 3 years • Node.js, React, GatsbyJS 2 years • TailwindCSS 2 years • Python 2 years • Java, C/C++ 3 years • Docker 1 year • Flutter/Dart 0.5 year • REST API, OOP, Agile/Scrum, Linux

Languages

Portuguese Native • English Proficient | CAE C1 Level, 2016 • Spanish Decent understanding • French Basic understanding