Francisco **Gonçalves**

SOFTWARE ENGINEERING STUDENT @ FEUP · PORTO, PORTUGAL

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Education

Faculty of Engineering of the University of Porto (FEUP) ↗   *Sep 2018 - Present*

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 "Eveything 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.

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.

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

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