Francisco **Gonçalves**

Software Engineering Student @ FEUP · Porto, Portugal

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Education

Faculty of Engineering of the University of Porto (FEUP) *Sep 2018 - Jan 2022*

BACHELOR IN INFORMATICS AND COMPUTING ENGINEERING *Porto, Portugal*

- **Completed degree** with cumulative GPA **15**/20
- **Relevant coursework** Web App Development, Algorithms and Data Structures, Databases, Artificial Intelligence

Faculty of Engineering of the University of Porto (FEUP) *Sep 2021 - Present*

MASTER IN INFORMATICS AND COMPUTING ENGINEERING *Porto, Portugal*

- **Currently enrolled** in year 1 out of 2 with **cumulative GPA** of **17.00**/20
- **Relevant coursework** Full Stack Development, IOT for factory management, P2P Timeline, Semantic Web App Development

Professional & Other Experiences

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 *Porto, Portugal*

- 5 *Camiños de Santiago*
- Volunteering focused on visiting and helping elderly people

Projects

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

Semantic Web Health Information Platform *Nov 2021 - Jan 2022*

NODEJS, EXPRESS, REACT, TAILWINDCSS *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 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.
- Adopted an Agile methodology, progressing iteratively and carefully selecting user stories to implement in each step.

Pet Nexus - Pet adoption web platform *Oct 2020 - Dec 2021*

HTML, CSS, JAVASCRIPT, PHP, SQLITE *Team of 3 people*

- Developed a pet adoption website from scratch with the help of no frameworks. Deployed **here**.

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 • **Python** 2 years • **Java, C/C++** 3 years • **HTML, CSS, PHP/Laravel, SQL** 2 years • **JS/TS** 3 years • **Node.js, React, GatsbyJS** 2 years • **Bootstrap, TailwindCSS** 2 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