Fábio Morais

Junior Software Engineer

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🪪 Profile

I am a self-taught, creative and agile person, always trying to learn new things and ready for new challenges. Passionate about technology and programming, with the objective of creating new things that can have an impact on the world.

🧠 Software Skills

C/C++ *(3 years)* **Java** *(3 years)* **PHP** *(1 year)*

PostgreSQL *(3 years)* **HTML / CSS** *(2 years)*

Javascript *(1 year)* **Python** *(1 year)*

🧠 Tools / Technologies

Object-Oriented Programming | Bootrasp

UML | Git | SCRUM | Jira | Junit

JQuery

🌐 Languages

English *(Professional working proficiency)*

🎓 Education

2017 – 2021	**FEUP,** *Master in Electrical and Computers Engineering* 🗗

💼 Professional Experience

Feb 2021 – Present
Porto

Teaching Assistant - Programming 2, *FEUP* 🗗
- Assist students by helping them in data structures and algorithms using C.

Feb 2021 – Present
Porto

Msc Thesis - Deep Learning and Computer Vision, *Abyssal* 🗗
- Implementation of a model that segments a set of elements of interest in videos of underwater structures and fuses with 3D models of these same objects using C++ and Python with Deep Learning Frameworks;

Aug 2019 – Jan 2020
Porto

Front-End Developer, *Therapy Center*
- Built a website with WordPress with HTML/CSS and JS optimized for SEO;
- Bought and managed a domain and web hosting;

Jul 2019 – Jul 2019
Coimbra

Summer Internship, *Critical Software*
- Worked with a team of four to develop an IoT device that displays the weather forecast and controls the lights and fan;
- Implemented all the code for the Arduino microcontroller with C++ using the information provided from APIs and the mobile application;

📜 Projects

Sep 2020 – Feb 2021

Online Courses Website, *Academic project* 🗗
Technologies Used: HTML/CSS with Bootstrap , JavaScript (Jquery); PHP and PostgreSQL
Final mark: 19 (0-20)
- Developed a web app with login system for online courses with information about the courses and the users stored in a DataBase;
- Implemented a real-time chat and a shop using Ajax

Aug 2020 – Sep 2020	**Instagram Bot,** *Personal project*

Technologies Used: Python with Selenium
- Instagram Bot that extracts data using web scraping with python;
- Automatically comment on publications, follow a list of persons and like publications;

Feb 2020 – Jun 2020	**MES - Manufacturing Execution System**

Technologies used: Java with swing, PostgreSQL
Final mark: 19 (0-20)
- Designed an MES using algorithms such as Dijkstra's to optimize the production plant;
- Implemented as multithreading application with communication between de ERP and the shop floor;

Sep 2019 – Feb 2020	**Warehouse Manager,** *Academic project*

Technologies Used: Java with swing, PostgreSQL, HTML/CSS/PHP and JavaScript
Final mark: 20 (0-20)
- Led a team of five in a SCRUM methodology;
- Developed a system with login system in Java where the user can view statistics in graphs, export data to .csv, add/update/remove the information;
- Executed planning and specification tasks, such as the development of frontend mockups, or the design of the database model.

Jul 2019 – Aug 2019	**Tic Tac Toe,** *Personal project*

Technologies Used: Java with JavaFX
- Designed a Tic Tac Toe with Java using the Minimax algorithm to implemented Artificial Intelligence that plays a perfect game.

All these projects are in my Github Repository ⬀ or in my personal website ⬀

🗔 Courses

2020	**Machine Learning,** *Coursera*
2019	**The Complete Python Course	Learn Python by Doing,** *Udemy*
2018	**Java Programming Masterclass for Software Developers,** *Udemy*