David José da Rocha Marques

Recent graduate. Highly motivated, autodidact and quick learner. Always eager to learn and improve, both personally and professionally.

Info

Nacionality: Portuguese
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Languages

- **Portuguese** ●●●●●
- **English** ●●●●●
- **German** ●○○○○

Programming

- **Python** ●●●●○
- **LaTeX2** ●●●●○
- **Matlab** ●●●●○
- *SQL* ●●●○○
- **Elisp** ●●○○○
- **Bash** ●●○○○
- **C** ●●○○○

Tools

- **Git** ●●●○○

Operative Systems

- **GNU/Linux** ●●●●○
- **Windows** ●●●●○

Commercial Software

- **Mcsft. Excel** ●●●●○
- **Mcsft. Word** ●●●●○
- **Mcsft. PwPt** ●●●●○

Hobbies

- **Reading**
- **Traveling**
- **Programming**

Education

Mechanical Engineering Masters 2011-2018
Energy Department.
Instituto Superior Técnico, Lisboa, Portugal.
Master's Grade Average: 15/20

Extracurricular Activities

JUNITEC 2016-2017
University's junior company. Member of the technical department, part of a team working directly in a project.
Skills: Team-work, Communication, Event Organization

University Grant 2017-2018
Monitor of laboratory equipped with computers with technical software, used by students. Functions included guaranteeing good study conditions and proving support to other students regarding the usage of software related with programming, *CAD*, and *FEM*. Networking, account creation/administration, software and hardware maintenance of 60 divided in two rooms.
Skills: Team-work, Communication, Management, Windows, Networking

Notable Projects

Master's Dissertation   Grade: $18/20$
Intelligent thermal comfort controller capable of adapting to a office user's preference and autonomously managing the ventilation system.
Learning system based on Reinforcement Learning.
Skills: Python, *SQL*, Linux, Raspberry Pi, LaTeX2, Git

Techstorm 2_{nd} Place
24 hours to develop an electronic product and present it in a 3 min pitch. The team was awarded the second place.
Skills: Team-work, Communication, Python, Arduino

Biogamming
EMG and Arduino based product with the objective of controlling video games with muscle movement.
Skills: Team-work, Communication, Python, Arduino