

# David José da Rocha Marques

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



## Info

**Nationality:** Portuguese

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## Languages

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

## Programming

- Python ●●●●●
- L<sup>A</sup>T<sub>E</sub>X2 ●●●●●
- Matlab ●●●○○
- SQL ●●○○○
- Elisp ●●○○○
- Bash ●○○○○
- C ●○○○○

## Tools

- Git ●●●○○

## Operative Systems

- GNU/Linux ●●●●●
- Windows ●●●●●

## Commercial Software

- Mсsft. Excel ●●●●●
- Mсsft. Word ●●●●●
- Mсsft. 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 providing 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, L<sup>A</sup>T<sub>E</sub>X2, Git

### Techstorm

2<sup>nd</sup> 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