



# FÁBIO SILVA

## PERSONAL SKILLS

- Assiduous and punctual
- Good communication skills and ease of group integration
- Versatile at a personal and task level
- Persistent, ambitious, resilient
- Strong interest in programming and hardware development

## TECHNICAL SKILLS

- Microsoft Windows and Linux
- Solidworks
- Programing:
  - Ladder, STL, Assembly, C, C++, Python
- Software:
  - Microsoft Excel, PHC, MPLab, P-Spice, Visual Studio Code, P-SIM, Proteus, SoMachine

## LANGUAGE SKILLS

- Maternal Portuguese
- English:
  - C1 level comprehension
  - Level C1 Orality
    - B1 level writing

## CONTACTS

- E-mail: [fabiomsilva28@gmail.com](mailto:fabiomsilva28@gmail.com)
- LinkedIn: <https://www.linkedin.com/in/fabiomotasilva/>
- <https://github.com/Fabiomsilva>

## BIO

- Portuguese nationality
- Date of Birth: 10/11/96
- Driving license: A, B
- Residence: Santa Maria da Feira

## WORK EXPERIENCE

### Poweren | August 2020 - Present

- Development of electronic integrated circuit boards
- Manufacturing of PCB
- Competences in welding techniques and repairs

### Tecnobento | March 2020 - june 2020

#### Automation Engineering

- Programming development for an industrial juice production equipment. PLC programming (Step 7) and HMI implementation (GP-Pro Ex)

### Vimétrica | January 2017 - October 2017

#### Mechanic project developer

- Mechanical assembly of customized machines (Corticeira Amorim, IKEA, PSA group)
- Mechanical development project in SolidWorks (ideate and draw)

### Pietec | June 2016 - December 2016

#### General Mechanical Maintenance

- General mechanical maintenance of cork industry machines (preventive and corrective)

## PROJECTS

### Swimming Pool Control | February 2020 - June 2020

- Development in Ladder language of a program and interface of a swimming pool with different operating modes as well as water and chlorine dosing with PID control

### Programmable Watering System | September 2019 - January 2020

- Development in C language of a programmable irrigation system with bluetooth module, rtc, humidity and temperature sensor and servo motor.

## OTHER ACTIVITIES

### Associação de futebol de Aveiro | 2015 - Present

#### Football referee

- Football main Referee
- Advanced course by Federação Portuguesa de Futebol

### Ciência e Letras - Formação Especializada

#### MS Excel | February 2018 (21h)

- Formatting, Advanced Functions, Graphics, Tables, Filtering, Macros

## ACADEMIC EDUCATION

### Faculdade de Engenharia da Universidade do Porto

#### Masters | Master in Engineering and Data Science (English) | September 2020 - Present

- Data analysis
- Predictive algorithms

### Instituto Superior de Engenharia do Porto

#### Degree | Electrical and Computer Engineering | September 2016 - July 2020

- Final grade: 15
- English classes

### Centro de Formação da indústria da cortiça

#### CET (level 5) | Mechatronic Technology | September 2015 - June 2016

- Accredited by University of Aveiro
- Final grade: 17