

BRUNO MIGUEL FERREIRA ALVES



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EXPERIENCE

COO - Chief Operating Officer

Evoleo Technologies, Lda

April 2016 - Ongoing Porto, Portugal

- Operational management in the areas of development, production and logistics;

Electrical and Electronic Engineering Team Leader

Evoleo Technologies, Lda

April 2015 - Ongoing Porto, Portugal

- Electrical and Electronic team coaching and monitoring;
- Design and test of electric and electronic circuits;
- Hardware development and production;
- PCB Design;
- PLC Programming;

Electrical Engineering / IT Manager

ADIRA – Metal-Forming Solutions S.A.

April 2014 - April 2015 Porto, Portugal

- Development of electrical projects for Press Brakes and Shears;
- Implementation and research of new features for products;
- PLC Programming;
- IT management and administration;

Professional Internship – Information Systems Engineering

Sonae / ISI – Information Systems and Innovation

September 2013 - April 2014 Porto, Portugal

- Support for a financial application;
- Data flow control between systems;
- Data quality control and monitoring;

Curricular Internship – Electrical Design Engineer

ADIRA – Metal-Forming Solutions S.A.

February 2013 - July 2013 Porto, Portugal

- Development of electrical projects for Press Brakes and Shears;
- Development of bachelor's degree final project;

Research Assistant in the Area of Autonomous Systems

Laboratório de Sistemas Autónomos – LSA/ISEP

May 2010 - July 2013 Porto, Portugal

- Development of control systems;
- PCB Design;
- Microcontroller Programming;

SOFTSKILLS

- Learning Potential
- Team Work
- Organization
- Flexibility
- Professionalism
- Responsibility
- MultiTasking
- Work Under Pressure

STRENGTHS

Main Development Languages

- Assembly
- Pascal
- C
- Visual Basic
- JAVA
- PL/SQL
- LaTex

Development WEB

- PHP
- Javascript
- JSP
- HTML / CSS
- NodeJS
- WebSockets

Development Tools – IDE

- NetBeans
- Eclipse
- IAR
- uVision

Development Tools – DB

- PostgreSQL
- MySQL
- RethinkDB
- Oracle

Development Tools – Agents

- JADE

Development Tools – CAD

- Altium Designer
- Eagle
- EPLAN
- SolidWorks Electrical

Development Boards

- Intel Edison
- Arduino
- Raspberry Pi
- HEXIWEAR

Hardware – Microcontroller

- ST-ARM Cortex MCUs
- Microchip-PIC
- Atmel-AVR

Hardware – PLC

- Schneider – M221/M241/M251/M258
- Siemens – S7-1200

PROJECTS

Agent-based Platform for Autonomous Sailing Research and Competition

ISEP-IPP, School of Engineering, Polytechnics of Porto

📅 January 2015 – November 2016 📍 Porto, Portugal

- Master's degree final project – Thesis;
 - Description – Platform for real and simulated autonomous sailing competitions, which can also be used as a research tool to test and assess navigation algorithms;
 - Techs: Multi-Agent System, Web Services, JAVA, JADE, NodeJS, RethinkDB, PostgreSQL, HTML5 and WebSocket;
 - Classification – 19/20.
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Visual Location System – Press Brakes

ADIRA – Metal-Forming Solutions S.A.

📅 February 2013 – July 2013 📍 Porto, Portugal

- Bachelor's degree final project;
 - Description – Development of hardware and software for a visual tool localization system. The system can be incorporated in all the Press Brakes of the company ADIRA in order to facilitate the operators in the positioning of the tools;
 - Techs: C, C++, PCB Design, Microcontrollers and CNC;
 - Classification – 18/20.
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Nutrition Platform

MOVELIFE

📅 June 2012 – September 2012 📍 Porto, Portugal

- Description – The platform allows to evaluate the nutrition of restaurant recipes and to identify allergens (Regulation (EU) No. 1169/2011);
 - Techs: PHP, HTML5 and MySQL;
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Management Software

Centro de Explicações – Nota20

📅 July 2010 – September 2010 📍 Porto, Portugal

- Description – The software controls the number of classes of each student and teacher, as well as allows financial control of the centre;
 - Techs: PHP, HTML, JavaScript and MySQL;
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CERTIFICATES

Kaizen Office Live

Kaizen Institute Portugal

📅 5 hours 📍 Porto, Portugal

Kaizen Service

Kaizen Institute Portugal

📅 16 hours 📍 Porto, Portugal

EDUCATION

M.Sc. in Electrical and Computer Engineering – Telecommunications

ISEP-IPP, School of Engineering, Polytechnics of Porto

📅 September 2013 – November 2016

Thesis title: Agent-based Platform for Autonomous Sailing Research and Competition;

B.Sc. in Electrical and Computer Engineering

ISEP-IPP, School of Engineering, Polytechnics of Porto

📅 September 2010 – July 2013

LANGUAGES

Portuguese ●●●●●

English ●●●●●

OTHERS

- Driving License – B1/B