Diogo Silva

Curriculum Vitae

Education

2012–2015 **Masters in Electrical and Computer Engineering**, *Instituto Superior Técnico*, University of Lisbon, Specialization in Computers and Control.

2009–2015 **Masters in Electrical Engineering**, *Portuguese Air Force Academy*.

Experience

Vocational

2016 **Software Development**, PORTUGUESE AIR FORCE, Lisbon.
Detailed achievements:
- Mainteneance and development of UAV onboard systems (ROS, C++).
- Back-end development (Python).

2014 **Summer Intern**, PORTUGUESE AIR FORCE, Lisbon.
Detailed achievements:
- Brief study of Electronic Warfare.
- Development of a Java application allowing for parameterized search over a set of data received by XML file.
- Development of a configurable Java application that converts data from different formats to XML.

2013 **Summer Intern**, PORTUGUESE AIR FORCE, Lisbon.
Detailed achievements:
- Study of internal security regulations within the Portuguese Air Force and technical solutions for alarm systems.
- Development of a project for an alarm system for a section of the perimeter of a military base.

Miscellaneous

2012 **Summer Intern**, PORTUGESE AIR FORCE, Lisbon.
Brief study of technical theory in the areas of communications, networks, servers, security and electronic warfare.

Projects

2012 **Android App**.
- Development of Android application within the context of a UAV project (the PITVANT).
- Application used inbuilt GPS module of modern smartphones and sent data to remote server.

Awards

2012 OGMA, Portuguese Aeronautic Industry Award – Best Electrical Engineering student.

Technical skills

Confortable	PYTHON, JAVA,C, MATLAB
Worked with	SQL, C++
Other tools	Linux, ROS, LaTeX, Emacs
Hardware	VHDL, FPGA, Arduino, PIC

Languages

Portuguese	**Mothertongue**
English	**Fluent**
Swedish	**Basic**

But studying everyday!

Personal interests

- Reading awesome books
- Running

- Traveling
- Swimming