



Sergio Almendros Diaz

Curriculum Vitae

Education

- 2017 **LPIC-1: Linux System Administrator**, PUE, Barcelona.
- 2011–2015 **Bachelor's degree in Telematics Engineering**, Pompeu Fabra University, Barcelona.
- 2009–2015 **Bachelor's degree in Computer Science**, Pompeu Fabra University, Barcelona.
- 2007–2009 **CFGS in Telecommunication Systems and Computer Science**, F.P. Llefia, Badalona.

Bachelor's Degree in Computer Sciences Final Project

- Title *A bottom up sensor testbed*
- Supervisors Professor Jaume Barcelo
- Description This project involves the creation of a sensor node using an arduino YUN which, with a big amount of them, could create a sensor network, developed and used by the final users.

Bachelor's Degree in Telematics Engineering Final Project

- Title *Decision Trees for the optimization of heart failure management*
- Supervisors Professors Anders Jonsson and Oscar Camara
- Description This project aims at improving Heart Failure Management using machine learning algorithms.

Experience

- 2014–Present **Product Development Engineer**, KEONN TECHNOLOGIES, Barcelona.
Development of a products working with RFID technology.
- Detailed tasks:
- Developing and deploying applications in Java and C/C++ in Linux ARM (BeagleBone) and Linux x64. Applications to control this devices with internal RESTful services.
 - Developing scripts in Bash to control and monitor this devices.
 - Technical support to customers (installers and programmers).

Oct 2013–Jul 2014 **Assistant Researcher**, POMPEU FABRA UNIVERSITY, Barcelona.

Development of a project under the Commons for Europe framework.

Detailed achievements:

- Develop an arduino code to collect sensor data.
- Develop a python script to communicate with a platform call opendata through the Internet.

2009 **Computer technician**, SCHOOL OF SANT GABRIEL, Sant Adria.

My functions were to maintain the computer equipment, solve software and hardware problems

Computer skills

Intermediate JAVA, BASH, I have been working developing a mantaining a Java RESTful application running on an embedded Linux system for the last 3 years.

Basic C++, I participated in a programming contest named SWERC (<http://swerc.eu/>) last year, and I am training for this year contest.

Basic NODEJS, HTML5, PYTHON, L^AT_EX, OpenOffice, Linux, Microsoft Windows

Languages

Mothertongue **Spanish and Catalan**

Intermediate **English**

B2 level certified for MECR

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