

José B. Camacho

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Education

Instituto Superior Técnico, Universidade de Lisboa 09/2014
Master's of Science, Information Systems and Computer Engineering 10/2016
Grade: 16

Instituto Superior Técnico, Universidade de Lisboa 09/2011
Bachelor's of Science, Information Systems and Computer Engineering 07/2014
Grade: 14

Skills

Languages

- Portuguese: native language
- English: advanced (speaking, reading, writing)

Programming Languages & Frameworks

- JAVA
- C#
- Javascript
- HTML5
- CSS
- SQL
- Android
- JQuery
- SOAP

Projects

MSc Thesis - IoT Middleware for Precision Agriculture - Agricultural Worker Monitoring

- Monitoring agricultural workers in Specialty Crops with a Smartphone
- Java, Android, Weka
- Machine Learning and Inertial Sensor's Fusion

Software for Embedded Systems - Sensor Network for Nuclear Power Plants

- Design and Implementation of an TinyOS Embedded System to monitor Radiation, Temperature and Smoke in a simulated Nuclear Power Plant environment
- Redundant network with support for node failure and node recovery

Mobile Computing - Wi-Fi Direct Messaging App

- Design and Implementation of an Android messaging app built upon Wi-Fi Direct
- Peer to Peer network of nearby devices and support for weak network conditions

Publications

J. B. Camacho, M. L. Pardal, and A. R. Cunha, "Agricultura de Precisão com sensores e tecnologias da Internet das Coisas" - communication and poster, in INForum 2016 Simpósio de Informática, pp. 42–43, INForum, 2016

Extra Curricular Activities

Summer Camp Monitor, CampusFrassi.net 07/2014 and 07/2015
Viseu and Sintra

Volunteer, Banco de Bens Doados 03/2014 – 06/2014
Lisboa