

# João Pedro Dias

## Curriculum Vitæ

Porto, Portugal

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### Education

- 2003–2011 **General Schooling - Sciences and Technologies**, *Externato de Vila Meã*, GPA: 17.
- 2011–Present **MSc in Informatics and Computing Engineering**, *Faculdade de Engenharia da Universidade do Porto*, Current GPA: 14.

### Work Experience

- Jul-Aug 2014 **IT Department Internship**, *Centro Hospitalar do Tâmega e Sousa, E.P.E.*, Development of an expedient management system for replacing the existent system based on paper archives. Developed using PHP, Javascript, HTML5, CSS (Bootstrap) and MySQL. Additionally did a small proof of concept using Node.js and MongoDB for showing patient information.
- Jul-Aug 2015 **Summer Engineering Intern**, *ShiftForward*, Development of a Deploy Logger Service, a service for documenting and recording the release of new product versions over time. Built using Scala and Backbone.

### Awards

- 2007–2008 **Honours Board Third Cycle**, *Externato de Vila Meã*.
- 2009 **Second Place**, Physics competition - *fis12* (Tenth grade), PmatE (Mathematics Education Project) - Universidade de Aveiro.
- 2011 **First Place**, Math competition - *mat12* (Twelfth grade), PmatE (Mathematics Education Project) - Universidade de Aveiro.
- 2013 **Second Place**, Team Design - European BEST Engineering Competition (European Final - Warsaw, Poland). First place in local (Porto, Portugal) and regional (Aveiro, Portugal) phases, Board of European Students of Technology.

### Professional Development

- 2009 **Photography Course**, *Externato de Vila Meã*.  
Introductory course to photography with introducing fundamental as well as advanced concepts.
- 2012–2014 **National meeting of informatics students (ENEI)**.  
Attendee to 2012, 2013 and 2014 ENEI editions. Cycle of conferences and workshops related to informatics and *soft-skills*.
- 2014 **M101JS: MongoDB for Node.js Developers**, *MongoDB University*.  
This course goes over basic installation of MongoDB, JSON, schema design, querying, insertion of data, indexing and working with the Node.js driver.

- 2015 **Practical Workshop in Agile Project Management**, *Strongstep - Innovation in software quality*.  
Practical workshop on Agile project management using SCRAIM.
- 2015 **CERN Spring Campus**, *CERN - European Organization for Nuclear Research*.  
Over 3 intensive days, this event brings together experts from around CERN, to meet with future engineers and scientists in a program of scientific and technological dissemination and cultural exchange.

## Co-Curricular Activities

- 2013–2015 **Secretary**, IEEE Student Branch, Universidade do Porto.  
As secretary I am responsible for ensure that meetings are effectively organised and minuted, do some communication and organize and/or lead various activities.
- 2013–Present **Volunteer**, Faculdade de Engenharia Universidade do Porto.  
As a student I have taken part of the organization of various events as a volunteer, including *INForum - Symposion on Informatics by University of Porto* and *MIUP - Inter-University Programming Marathon*.

## Organizations

- 2009-2011 **Member**, Grupo de Jovens Luz da Vida, Travanca, Amarante, Porto.  
Founder and active member, I had taken part of large number of activities on behalf of the village community.

## Personal Projects

- 2009–Present **Photographer**.  
As a photographer I do some events covering and nature photo. Until today I just had one exposition in November of 2010 at *Movimento D'Artes no Mosteiro de Travanca*.
- 2013–Present **Windows Phone Application Development**, *Windows Phone Apps+Games Store*.  
Using C# and XAML I developed four applications already in the store with approximately 3500 downloads.
- 2013–Present **Open-source projects**, *GitHub*.  
Set of projects, some personal and other built-in schoolar courses, *open-source* using different languages and technologies.

## Skill Set

<b>Operative Systems:</b>	Linux, Windows, Android
<b>Languages:</b>	C, C++, C#(.NET Framework), Java, PHP, Python, CSS, HTML, JavaScript (Node.js), PowerShell
<b>Databases:</b>	MySQL, SQLite, MongoDB, PostgreSQL, InfluxDB
<b>Tools:</b>	Git, SVN, Microsoft Visual Studio, IntelliJ IDEA, Eclipse, UML, Firefox Developer Tools
<b>Design Tools:</b>	Adobe Photoshop, Adobe Fireworks, Adobe InDesign, Blender
<b>Methodologies:</b>	Object-oriented Programming (OOP), Test-driven Development (TDD), Pair Programming, Agile, Scrum

## Languages

Portuguese	<b>Native</b>	
English	<b>Intermediate</b>	<i>Conversationally fluent</i>