Europass
Curriculum Vitae

Personal Information

First Names / Surnames	**Ricardo Filipe Gomes Amaral**
Address	*(not shown due to privacy protection)*
Mobile	*(not shown due to privacy protection)*
Email	*(not shown due to privacy protection)*
Website	http://ricardoamaral.net
Nationality	Portuguese
Date of Birth	5th May, 1984
Gender	Male
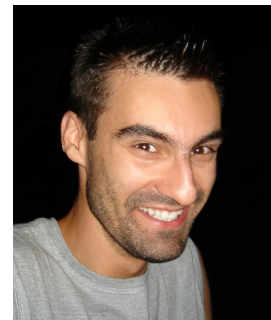
Occupational Field

Software Engineering / Programmer

Work Experience

Dates	September 2011 $\longrightarrow$ Present
Occupation or Position Held	**Android Programmer** *(Self-Employed)*
Main Activities and Responsibilities	Conception and development of applications for the Android platform with the highest requirements for quality, achieving them with best practices and development and design standards. Currently with one application published in the Play Store entitled 'Notification Agenda'.
Type of Business or Sector	Mobile Application Development

Dates	October 2004 $\longrightarrow$ January 2008
Occupation or Position Held	**Web Developer**
Main Activities and Responsibilities	Development of a content management system (CMS) including various web applications such as the main content management, news management, portfolio management, online, dynamic online applications form and newsletters. The system was built using the PHP language and destined for a variety of websites.
Name and Address of Employer	HighBrand (http://www.hb.com.pt) 1700-116 Lisboa, PORTUGAL
Partner	Rui Rocha (rui.rocha@hb.com.pt)
Type of Business or Sector	Software Development

Education and Training

Dates	September 2005 $\longrightarrow$ July 2012
Title of Qualification Awarded	**Informatics Engineering (BSc)**
Principal Subjects / Occupational Skills Covered	Elements of Systems Engineering; Functional Programming; Imperative Programming; Computing Systems; Algorithms and Complexity; Computer Architectures; Calculus of Programs; Data Communications; Object-Oriented Programming; Operating Systems; Databases; Computer Graphics; Computer Communications; Development of Software Systems; Language Processing; Computer Networks; Knowledge Representation and Reasoning Systems; Distributed Systems.
Name and Type of Organisation Providing Education and Training	University of Minho 4710-057 Braga, PORTUGAL

To connect with me on LinkedIn, please visit:
http://pt.linkedin.com/in/rfgamaral

Dates	September 1999 $\longrightarrow$ July 2005
Title of Qualification Awarded	**Undergraduate in a Computer Technology Course**
Principal Subjects / Occupational Skills Covered	Programming Languages and Techniques; Computer Applications; Introduction to Information Technologies; Structure, Organisation and Data Processing.
Name and Type of Organisation Providing Education and Training	José Régio High School 4480-794 Vila do Conde, PORTUGAL

Date	November 2003
Event	**Seminar "Entrepreneurship - Innovation in Motion"**
Organisation of Training	Academy of Entrepreneurs

Personal Skills and Competences

Mother Tongue	**Portuguese**

Other Languages

Self-Assessment European Level[*]

English

Understanding		Speaking		Writing
Listening	Reading	Spoken Interaction	Spoken Production	
C1 Proficient User	C1 Proficient User	B2 Independent User	B2 Independent User	C1 Proficient User

[*]*Common European Framework of Reference (CEF) Level*

Social Skills and Competences

- Good ability to work individually or as a team with a strong sense of responsibility on any of the situations;
- Ability to respond well under pressure preserving a professional rigour;
- Excellent communication and argumentation ability coupled with a critical thinking;
- Ability to take the initiative and make diligent careful decisions.

Organisational Skills and Competences

- Ability to manage projects with a sense of organization and competence;
- Ease of transmission of knowledge and development methodologies;
- Elevated ability for self-criticism and self-evaluation of the work performed.

Computer Skills and Competences

- Languages and/or Technologies (Intermediate-Advanced): PHP, C#, Java, HTML, CSS, JavaScript, jQuery, JSON and SQL;
- Languages and/or Technologies (Basic-Intermediate): C/C++, VB.NET, Haskell, Prolog, XML and LaTeX;
- Languages and/or Technologies (Others): ASP.NET, ActionScript, Pascal, PL/SQL, UML, Razor and Swing;
- Database Management Systems: MySQL, Oracle, SQL Server and SQLite;
- Version Control Systems: Git and SVN;
- Miscellaneous: Android SDK, OpenGL, MVC, Apache HTTP Server, Flex (Lexical Analyser Generator), Yacc (Compiler Generator) and Regular Expressions.

- Operating Systems: Microsoft Windows, Mac OS X and Linux;
- Integrated Development Environments: Microsoft Visual Studio, Eclipse, NetBeans and Oracle SQL Developer;
- Productivity Software: Microsoft Office, OpenOffice/LibreOffice, Adobe Photoshop, Adobe Illustrator, Adobe Lightroom, Adobe Premiere Pro, Adobe After Effects, Adobe Flash and Adobe Dreamweaver;
- Computational Software: Mathematica, MATLAB.

Artistic Skills and Competences

- Photography.

Other Skills and Competences

- Ease of learning and research autonomously.

To connect with me on LinkedIn, please visit:
http://pt.linkedin.com/in/rfgamaral

Driving License	B Category

Additional Information

Publications	
	«Basic templating system in PHP», PROGRAMAR Magazine (9th Edition), Portugal-a-Programar Community, July 2007.
Programming Contests	
	«androidPT Programming Contest», Notification Agenda Application, 2nd Place, AndroidPT Community, November 2011.
	«Programming Tournament for High School Students (ToPAS)», 3rd Place, Department of Computer Science, Faculty of Sciences of University of Porto, May 2005.
	«Programming Tournament for High School Students (ToPAS)», 4th Place, Department of Computer Science, Faculty of Sciences of University of Porto, May 2004.

Appendices

Appendix I	Personal Projects Developed
Appendix II	University Projects Developed

To connect with me on LinkedIn, please visit:
http://pt.linkedin.com/in/rfgamaral

Appendix I | Personal Projects Developed

Notification Agenda
Android Application

http://play.google.com/…/details?id=net.ricardoamaral.apps.notificationagenda

Technologies Used

Android SDK

Project Summary

Simple application which turns small notes into pleasing status bar notifications with fancy high quality icons.

FireNotes
Windows Application

Technologies Used

C#

Project Summary

A simple tool with a personalized look and feel that allows you to take notes in a conveniently and organized way.

Network Switcher
Windows Application

Technologies Used

VB.NET

Project Summary

This application with an intuitive interface allowing you to configure your computer network adapters and switch between configurations through profiles.

Easy Settings
.NET Library

Technologies Used

C# / XML

Project Summary

Simple and easy to use library to manage settings/preferences of any application developed in any .NET language, storing them in an XML file.

Other Projects

In addition to the most relevant projects and outlined above, there are others that can be found on my GitHub profile and/or on my personal website; depending on their open source development context, or not.

Appendix II | University Projects Developed

Travel Recommendation System
Windows Application

Computer Labs IV
Orlando Belo

Technologies Used

C# / UML / SQL Server / ASP.NET / Razor / MVC

Project Summary

This project involved the conception, analysis and requirements specification, development, documentation and maintenance of a software system. The submitted idea to accomplish this project within the proposed 'Travel Recommendation System' was "low cost flights in Europe".

UDP.Friendly
Windows Application

Computer Communications
António Costa

Technologies Used

C# / UDP

Project Summary

The main purpose of this project was to develop a protocol layer over UDP allowing the data transmission rate to be adjusted according to the network load levels. As proof of concept two applications were developed — according to the client-server model — enabling transmission of data.

Treasure: Planet XPTO
Windows Game

Computer Graphics
António Ramires Fernandes

Technologies Used

C & C++ / OpenGL & GLUT

Project Summary	This projected aimed the development of some sort of Role-Playing Game both in first and third person. The objective was to employ the knowledge acquired throughout the semester, involving concepts such as coordinate systems, lighting, textures, Display Lists, View Frustum Culling, VBOs, etc…
Turtly Turtle Movie Database Windows and Web Application	Databases José Manuel Machado
Technologies Used	C# / PHP / HTML / CSS / JavaScript & jQuery / Oracle & PL/SQL
Project Summary	This project aimed to acquire knowledge of the Oracle DBMS, having the film industry as theme. Two applications were developed, one as a Web front end for users to consult information and a Desktop one for database administration and maintenance.
Simplex Algorithm Web Application	Deterministic Models of Operational Research José António Oliveira
Technologies Used	PHP / HTML / CSS / JavaScript & jQuery
Project Summary	This project consisted in developing an application capable of solving maximization and minimization linear programming problems. These problems were solved resorting to an implementation of the Simplex algorithm, with Primal or Dual feasibility.
Just Friends / Always Connected Linux and Windows Application	Computer Labs III António Nestor Ribeiro & Luís Paulo Santos
Technologies Used	C / Java / Swing / MVC
Project Summary	Bound to the same Curricular Unit, two quite similar projects were developed. Both consisted in the development or use of data structures — using different languages — being both implementations based in a simplified version of the LinkedIn social network.
AEROGEST Windows Application	Object-Oriented Programming F. Mário Martins
Technologies Used	Java
Project Summary	This project aimed to apply all the knowledge acquired throughout the semester about the object-oriented programming paradigm. The project consisted in developing a "flight management system".
Remark	The projects above do not account for all projects developed during the undergraduate school, being listed only those deemed most important or relevant.