

Europass Curriculum Vitae

Personal Information

First Names / Surnames

Address

Mobile

Email

Website

Nationality

Date of Birth

Gender

Ricardo Filipe Gomes Amaral

(not shown due to privacy protection)

(not shown due to privacy protection)

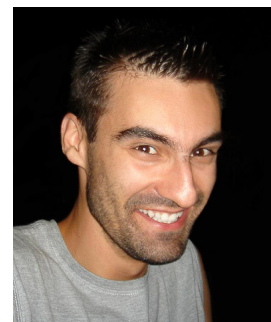
(not shown due to privacy protection)

<http://ricardoamaral.net>

Portuguese

5th May, 1984

Male



Occupational Field

Software Engineering / Programmer

Work Experience

Dates

Occupation or Position Held

Main Activities and Responsibilities

Type of Business or Sector

Dates

Occupation or Position Held

Main Activities and Responsibilities

Name and Address of Employer

Partner

Type of Business or Sector

September 2011 → August 2014

Android Developer (Self-Employed)

Independent development of applications for the Android platform, employing the best development practices and design patterns. With accountability for distribution on Google Play and marketing on Social/Ad networks.

Mobile Application Development

October 2004 → January 2008

Web Developer

Freelance and remote work on several websites for third party clients with custom front-end development solutions, website deployment to a production server and website maintenance when required.

HighBrand (<http://www.hb.com.pt>)

1700-116 Lisboa, PORTUGAL

Rui Rocha (rui.rocha@hb.com.pt)

Software Development

Education and Training

Dates

Title of Qualification Awarded

Principal Subjects / Occupational Skills Covered

Name and Type of Organisation Providing Education and Training

Dates

September 2005 → July 2012

Informatics Engineering (BSc)

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.

University of Minho

4710-057 Braga, PORTUGAL

September 1999 → July 2005

Title of Qualification Awarded
Principal Subjects / Occupational Skills Covered
Name and Type of Organisation Providing Education and Training

Undergraduate in a Computer Technology Course

Programming Languages and Techniques; Computer Applications; Introduction to Information Technologies; Structure and Organisation and Data Processing.

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 and MATLAB.

Artistic Skills and Competences

- Photography.

Other Skills and Competences

- Ease of learning and research autonomously.

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

Appendix I

Notification Agenda

Android Application

Technologies Used

Project Summary

Easy Settings

.NET Library

Technologies Used

Project Summary

Other Projects

Appendix II

Travel Recommendation System

Windows Application

Technologies Used

Project Summary

UDP.Friendly

Windows Application

Technologies Used

Project Summary

Treasure: Planet XPTO

Windows Game

Technologies Used

Project Summary

Turtly Turtle Movie Database

Windows and Web Application

Technologies Used

Project Summary

Simplex Algorithm

Web Application

Personal Projects Developed

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

Android SDK

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

C# / XML

Simple and easy to use .NET library to manage applications user preferences, storing them on a readable XML file.

In addition to the most relevant projects outlined above, more can be found on my [GitHub](#) profile or on my personal website.

University Projects Developed

Computer Labs IV

Orlando Belo

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

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".

Computer Communications

António Costa

C# / UDP

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.

Computer Graphics

António Ramires Fernandes

C & C++ / OpenGL & GLUT

This project 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...

Databases

José Manuel Machado

C# / PHP / HTML / CSS / JavaScript & jQuery / Oracle & PL/SQL

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.

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	Computer Labs III
Linux and Windows Application	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	Object-Oriented Programming
Windows Application	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.