

PERSONAL INFORMATION

Carlos Eduardo Bastos e Marques da Silva



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Sex Male | Date of birth 22 December 1987 | Nationality Portuguese

WORK EXPERIENCE

11 – 12 Assistant of Laboratórios de Informática I

EDUCATION AND TRAINING

05 – 08 Degree in Informatics Engineering 16  
University of Minho

08 – 10 M.Sc. in Informatics Engineering 17  
University of Minho

PERSONAL SKILLS

Mother tongue(s) Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B2
Spanish	B1	B1	A2	A2	B1
French	A2	B1	A1	A1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user  
[Common European Framework of Reference for Languages](#)

Communication skills - Team spirit; Mediating skills;

Job-related skills FCE (First Certificate in English) obtained in the Guimarães British Institute  
Best student award from Escola Secundária Martins Sarmiento in the year 2004/2005

Computer skills Web applications development in Java platform using JSP, Servlets e Hibernate.  
Web applications development using GWT.  
Web applications development in .NET using ASP.NET MVC, C#, NHibernate.  
Web applications development in HTML5, AJAX, Flex, Silverlight, OpenLaszlo and UsiXML.  
Android user interface development.  
Reverse Engineering os applications, using the GuiSurfer tool.  
Knowledge of user interface development and modelling.  
Advanced knowledge of Java and C.  
Intermediate knowledge of C++, C#.NET, ASP.NET, PHP, HTML, CSS, Prolog, JavaScript e Haskell.

Basic knowledge of XML, Perl e openGL.

Advanced knowledge of Windows and Linux platforms.

Advanced knowledge of using Microsoft Sql Server database.

Knowledge of using mySQL, Oracle e PostreSQL databases.

Basic knowledge of equipment monitoring using SNMP, and proprietary software like Nagios.

Cluster creation experience using Heartbeat e Network Load Balancing Service.

Experience using IDEs like Netbeans, Eclipse and Visual Studio.

Experience using Adobe Photoshop and DreamWeaver.

Advanced knowledge in business intelligence areas like data warehouse, olap and data mining.

Experience using Microsoft Analysis Services.

Experience using data mining software like Weka, Caren, Rapid Miner and R.

**Other skills** Swimming (1995-2000);  
Hobbies: Music, Cinema, TV, Reading, Computers and Sports;  
Knowledge in playing guitar, bass and piano learned at musical school Faminho

**Driving licence** B, B1

## ADDITIONAL INFORMATION

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Publications:

Combining static and dynamic analysis for the reverse engineering of web applications.

C. E. Silva and J. C. Campos. In Engineering Interactive Computing Systems (EICS'2013), 2013.

Can GUI implementation markup languages be used for modelling?

C. E. Silva and J.C. Campos (2012) In Human-Centred Software Engineering (HCSE'2012), Lecture Notes in Computer Science, Vol. 7623, pp: 112-129.

GUIsurfer: A Reverse Engineering Framework for User Interface Software

J.C. Campos, J. Saraiva, C. E. Silva and J.C. Silva (2012) In A.C. Telea, editor, Reverse Engineering - Recent Advances and Applications, pages 31-54. InTech.

GUI Behavior from Source Code Analysis.

J. C. Silva, C. E. Silva, J. C. Campos, and J. A. Saraiva (2010) In O. Mealha, J. Madeira, D. Tércio and B.S. Santos, editors, 4a. Conferência Nacional em Interação Humano-Computador (Interacção 2010), pages 81-88. GPCG.

The GUISurfer tool: towards a language independent approach to reverse engineering GUI code.

J.C. Silva, C. E. Silva, R. Goncalo, J. Saraiva, J.C. Campos (2010) In Proceedings of the 2nd ACM SIGCHI Symposium on Engineering interactive computing systems, pages 181-186. ACM.

Reverse Engineering of Rich Internet Applications.

C. E. Silva. Master of Science thesis in Mestrado em Engenharia Informática. September 2010.