



Europass Curriculum Vitae

Personal information

First name(s) / Surname(s) **Hugo Santos Varandas**
 Address Lisbon (Portugal)
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 Nationality Portuguese
 Date of birth 20 March 1985
 Gender Male

Desired employment / Occupational field **Electrical and Computer Engineer - Telecommunications**

Work experience

Dates 15/12/2008 →
 Occupation or position held Core Network Engineer
 Main activities and responsibilities

- Assigned to the GPON team working on FTTH network deployment projects for Portugal Telecom. Main Tasks:
 - ✓ FTTH network design
 - ✓ AutoCAD design
 - ✓ Excel and AutoCAD Automation (VBA and VB.net development)
- Assigned to the development of xDSL and FTTx chapters to be included in a formation course about telecommunication networks and services.

Name and address of employer Celfinet - <http://www.celfinet.com>
(Portugal)
 Type of business or sector Telecom Consulting

Education and training

Dates 09/2003 - 10/2008
 Title of qualification awarded Integrated MsC in Electrical and Computer Engineering
 Average Grades: 1st cycle (BsC) - 16/20; 2nd cycle (MsC) - 17/20
 Principal subjects / occupational skills covered MsC Thesis: "Compressed Domain H.264/MPEG-4 AVC Shot detection" - Video Coding and Processing (H.264/MPEG-4 AVC).
 MsC Major in Telecommunications.
 MsC Minor in Electronics.
 General knowledge of Electrical Engineering.
 Math and Physics applied to Engineering.

Name and type of organisation providing education and training Instituto Superior Técnico - Technical University of Lisbon - <http://www.ist.utl.pt> (Engineering College)
 Level in national or international classification ISCED 5A

Dates 09/2000 - 07/2003
 Title of qualification awarded High School

Principal subjects / occupational skills covered

General Course in Sciences and Technologies

Name and type of organisation providing education and training

Colégio do Sagrado Coração de Maria

Personal skills and competences

Mother tongue(s)

Portuguese

Other language(s)

Self-assessment
European level ()*

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User
A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User	A2	Basic User

English

French

Spanish / Castilian

(*) [Common European Framework of Reference \(CEF\) level](#)

Social skills and competences

Good teamwork skills developed in several group projects.
Interest for acquiring and applying new expertise especially those related to new technologies.
Ability to easily learn and adapt to different tasks.
Appetence for development as well as for research and innovation.

Technical skills and competences

Experience in SW development related to the H.264/AVC standard and the MOV/MP4 file container acquired during the MSc thesis.

General Knowledge on:

- ✓ Telecommunication and systems and networks – Optical transmission, xPON and FTTx, Digital subscriber line (xDSL), synchronous digital hierarchy (SDH)...
- ✓ Mobile communication systems – Cellular systems, radio network planning, GSM, UMTS...
- ✓ Audio and video communications – Multimedia coding standards (JPEG, MPEG, H.26x), Digital Television (DVB)...
- ✓ Computer Networks – Main architectures and protocols (HTTP; DNS; UDP; TCP; IP; RIP; IPv6; VPNs; NAT; WLAN...)...

Computer skills and competences

Knowledge about object-oriented programming.
Programming experience in Assembly, VBA, VB.net, Java, C, C++ and C# programming languages.
Familiar with Matlab, Eclipse and Visual Studio and with XML, HTML and UML.
Ease in using several Microsoft Office tools.
Experience user of both Windows and Linux environments.

Other skills and competences

Participation in several sports events and scholar and amateur tournaments, namely in soccer and handball as a player.
Love to travel and learn about different cultures and lifestyles.

Driving licence(s)

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