

## Europass Curriculum Vitae

### Personal information

First name(s) / Surname(s)

**Hernani Pereira Gomes Costa**

Address

Rua Direita nº36, Penedo, 155-3460 Lageosa do Dão - Tondela (Portugal)

Mobile

+351 916244743

E-mail(s)

[hpcosta@student.dei.uc.pt](mailto:hpcosta@student.dei.uc.pt); [hernanimax@gmail.com](mailto:hernanimax@gmail.com)

Nationality

Portuguese

Date of birth

2 February 1986

Gender

Male

### Work experience

Dates

December 2010

Occupation or position held

R&D

Main activities and responsibilities

Developing mechanisms for Artificial Selective Attention for personal mobile devices in the domain of intelligent transportation systems.

Name and address of employer

Foundation for Science and Technology (FCT)  
(Portugal)

Type of business or sector

Intelligent Systems, Artificial Intelligence

Dates

September 2010

Occupation or position held

Secondary education teaching professional

Main activities and responsibilities

Teaching:  
- Communication Networks;  
- Computers Architecture.

Name and address of employer

Escola Profissional da Lousã  
(Portugal)

Type of business or sector

Education

Dates

October 2009 - October 2010

Occupation or position held

R&D

Main activities and responsibilities

Research integration scholarship (BIIC) in the Construction of a Portuguese Ontology (ONTO.PT project).

Name and address of employer

CMS Group - University of Coimbra  
(Portugal)

Type of business or sector

Natural Language Processing

Dates

September 2009 - September 2010

Occupation or position held

Researcher

Main activities and responsibilities

Creating NLP algorithms to extract semantic knowledge from text.  
Testing and integrating Google and Yahoo API for the semantic knowledge validation task. (MSc dissertation)

Name and address of employer

CMS Group, University of Coimbra  
(Portugal)

Type of business or sector

Artificial Intelligence



Dates	September 2009 – January 2010
Occupation or position held	R&D
Main activities and responsibilities	Research and development of automatic algorithms to extract semantic information from ideas and documents (KDigg project).
Name and address of employer	CMS Group - University of Coimbra (Portugal)
Type of business or sector	Natural Language Processing

## Education and training

Dates	September 2009 - September 2010
Title of qualification awarded	Graduation in Informatics Engineering
Name and type of organisation providing education and training	University of Coimbra (Portugal)
Level in national or international classification	MSc (16 points out of 20)

Dates	September 2004 - February 2010
Title of qualification awarded	Graduation in Informatics Engineering
Name and type of organisation providing education and training	University of Coimbra (Portugal)
Level in national or international classification	BSc (13 points out of 20)

Dates	2008 - 2009
Title of qualification awarded	Curso Cuatrimestral de Español para Extranjeras/os
Name and type of organisation providing education and training	University of Vigo (Spain)
Level in national or international classification	B1 - Spanish (14,7 points out of 20)

## Personal skills and competences

Mother tongue(s) **Portuguese**

Other language(s)

Self-assessment  
*European level (\*)*

**English**  
**Spanish / Castilian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent user	B1	Independent user	A2	Basic User	A2	Basic User	A2	Basic User
C2	Proficient user	C1	Proficient user	B2	Independent user	B2	Independent user	B2	Independent user

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

Social skills and competences Participated in Erasmus Program in the academic year of 2007/2008.

Organisational skills and competences Sense of organisation (experience in logistics).  
Good experience in projects collaboration.  
Team spirit.  
Good communication skills.

Computer skills and competences Several programming languages, such as: Java, C, C#, ADA, Matlab, HTML, JavaScript, PHP, XML,

	<p>among others.</p> <p>Implementation of several projects based on database engines (such as MySQL, PostgreSQL, SPARQL), among other projects during the academic path.</p> <p>Developed NLP algorithms to extract and validate semantic information.</p>
Other skills and competences	<p>Academic:</p> <ul style="list-style-type: none"> <li>- Solid knowledge in Natural Language Processing, specifically in Information Extraction and Information Retrieval.</li> <li>- Strong knowledge in JAVA and C# language.</li> </ul> <p>Sports: Playing football and swimming.</p> <p>Computers and devices: Currently exploring Android OS tools.</p>
Driving licence(s)	Category: A1, A, B and B1.
<b>Additional information</b>	<p>TleIA submission: Costa, Hernani "Quantifying Relational Triples", Prémio Nacional de Trabalhos em Inteligência Artificial Nacional (TleIA 2010), Universidade do Minho, Portugal – October, 2010</p> <p>MSc Thesis: Costa, Hernani: "Automatic Extraction and Validation of Lexical Ontologies from text", Coimbra, Portugal - September, 2010</p> <p>Publication Article: Gonçalves Oliveira, Hugo and Costa, Hernani and Gomes, Paulo: "Extracção de conhecimento léxico-semântico a partir de resumos da Wikipédia", Proc. INFORUM 2010 Workshop on Gestão e Tratamento de Informação (INFORUM'10), Braga, Portugal - September, 2010</p> <p>Publication Article: Costa, Hernani and Gonçalves Oliveira, Hugo and Gomes, Paulo: "The Impact of Distributional Metrics in the Quality of Relational Triples", Proc. ECAI 2010, Workshop on Language Technology for Cultural Heritage, Social Sciences, and Humanities (LaTeCH'10), Lisbon, Portugal - August, 2010</p>
<b>Annexes</b>	<p><b>BSc marks:</b></p> <hr/> <p>13 Advanced Programming Laboratory</p> <p>11 Communication Protocols</p> <p>11 Compilers</p> <p>14 Computer Graphics</p> <p>10 Computer Technology</p> <p>10 Computers Architecture</p> <p>13 Data Analysis and Transformation</p> <p>12 Data Structures and Algorithms</p> <p>10 Databases</p>

13 Discrete Structures  
18 Distributed Systems  
14 Information Systems  
12 Information Theory  
10 Introduction to Artificial Intelligence  
15 Introduction to Communication Networks  
-- Introduction to Modern Physics  
13 Introduction to Procedural Programming  
15 Introduction to Programming and Problem Solving  
13 Linear Algebra and Analytical Geometry  
16 Management and Innovation Processes  
15 Mathematical Analysis I  
11 Mathematical Analysis II  
11 Multimedia  
11 Object-Oriented Programming  
11 Operative Systems  
13 Simulation and Scientific Computation  
14 Software Engineering  
10 Statistics  
16 Technical Communication  
11 Theory of Computation

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**Final Mark:** 13 points out of 20

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**MSc marks:**

14 Adaptive Computation  
12 Business Management  
16 High-performance Computing  
12 Human-computer Interaction  
18 Information Systems Quality  
19 Internet Services Introduction  
14 Multimedia Technologies  
14 Natural Language  
15 Organizational Behaviour, Knowledge and Innovation  
16 Pattern Recognition Techniques  
13 Real-Time Design Systems

15 Robotics  
15 Semantic Web  
18 Dissertation

**Final Mark:** 16 points out of 20

B1 Certificate

AD DE VIGO

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nâni Pereira Gomes da Costa  
Spanish Course for Foreigners,  
the Centro de Linguas at the University  
lasted **60 hours** and was held from the  
**2008 to the 21<sup>st</sup> of January 2009** at  
15.

e was placed in is equivalent to **B1** of  
uropean Framework of Reference for

Ir./Ms. **Hernâni Pereira Gomes da**  
a (7.35/10).

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LAS COORDINADORAS DEL CURSO  
I.C.B. 2  
Inmaculada C. Báez y Rosa Pérez