PERSONAL INFORMATION

Hernani Costa

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Sex Male | Date of birth 02 February 1986 | Nationality Portuguese

JOB APPLIED FOR

WORK EXPERIENCE

01/09/2013–Present **Early Stage Researcher and PhD Student**
University of Malaga, Malaga (Spain)
Collection and preparation of multilingual data for multiple corpus-based approaches to translation.

06/04/2014–Present **R&D**
LEXYTRAD, University of Malaga, Malaga (Spain)
Desarrollo de un sistema inteligente de gestión terminológica para traductores (INTELITERM project).

01/12/2010–30/08/2013 **R&D**
CISUC and Foundation for Science and Technology (FCT), Coimbra (Portugal)
Developing mechanisms for Artificial Selective Attention for personal mobile devices in the domain of intelligent transportation systems.

01/10/2012–31/01/2013 **Teaching**
Coimbra Institute of Engineering (ISEC), Coimbra (Portugal)
Programming and Algorithms.

01/09/2011–30/06/2012 **Teaching**
Escola Profissional da Lousã, Lousã (Portugal)
Communication Networks;
Operating Systems.

01/09/2010–30/06/2011 **Teaching**
Escola Profissional da Lousã, Lousã (Portugal)
Communication Networks;
Computers Architecture

01/09/2011–31/12/2011 **R&D**
Linguateca, FCCN, Coimbra (Portugal)
Developing an online service for browsing through Portuguese semantic relations, named Folheador.

01/10/2009–31/10/2010	**R&D**
	CMS Group, CISUC - University of Coimbra, Coimbra (Portugal)
	Research integration scholarship (BIIC) in the Construction of a Portuguese Ontology (ONTO.PT).

01/09/2009–30/09/2010	**Researcher**
	CMS Group, CISUC, University of Coimbra, Coimbra (Portugal)
	Creating NLP algorithms to extract semantic knowledge from text. Testing and integrating Google and Yahoo API for the semantic knowledge validation task. (MSc dissertation).

01/09/2009–31/01/2010	**R&D**
	CMS Group, CISUC - University of Coimbra, Coimbra (Portugal)
	Research and development of automatic algorithms to extract semantic information from ideas and documents (KDigg project).

EDUCATION AND TRAINING

01/09/2009–10/09/2010	**MSc**	EQF level 7
	University of Coimbra, Coimbra (Portugal)	

01/09/2004–28/10/2010	**BSc**	EQF level 6
	University of Coimbra, Coimbra (Portugal)	

01/09/2006–31/07/2007	**Erasmus**
	Escuela Superior de Ingeniería Informática, University of Vigo, Orense (Spain)

01/09/2008–04/02/2009	**B1 - Spanish**
	University of Vigo, Orense (Spain)
	Curso Cuatrimestral de Español para Extranjeras/os

PERSONAL SKILLS

Mother tongue(s)	Portuguese

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B2	B2	B2	B2
Spanish	C1	B2	B2	B2	A2
	B1 - Curso Cuatrimestral de Español para Extranjeras/os				

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

Communication skills	Good communication skills gained through my participation in the Erasmus Program in the academic year of 2007/2008.

Organisational / managerial skills	Sense of organisation (experience in logistics);
	Good experience in projects collaboration;
	Team spirit;
	Good communication skills.

Job-related skills	

Computer skills	Several programming languages, such as: Java, C, C#, HTML, CSS, JavaScript, PHP, XML, among others.
	Implementation of several projects based on database engines (such asMySQL, SQLite, Neo4j, SPARQL), among other projects during the academic path.
	Developed NLP algorithms to extract and validate semantic information.

ADDITIONAL INFORMATION

Publications	**Articles:**

(In press) Costa, Hernani and Corpas Pastor, Gloria and Durán Muñoz, Isabel. "Technology-assisted Interpreting: A Tentative Catalogue". MultiLingual (journal), Emerging Markets, Core Focus - Translation Technology, April/May 2014.

(In press) Macedo, Luis and Costa, Hernani and Cardoso, Amilcar, "Overcoming Information Overload with Artificial Selective Agents". In 13th Int. Conf. on Autonomous Agents and Multiagent Systems (Paris, France, May 2014), AAMAS'14, IFAAMAS

(In press) Macedo, Luis and Costa, Hernani and Cardoso, Amilcar "Overcoming Information Overloadwith Artificial Selective Agents: an Application to Travel Information Domain". In 13th Int. Conf. on Autonomous Agents and Multiagent Systems (AAMAS'14), 8th Int. Workshop on Agents in Traffic and Transportation (Paris, France, May 2014), ATT'14, IFAAMAS

Macedo, Luis and Costa, Hernani and Cardoso, Amilcar: "A Selective Attention-based, Multi-Agent, Travel Information System", 16th Portuguese Conference on Artificial Intelligence (EPIA'13), p. 12 - Azores, Portugal – September, 2013.

Costa, Hernani and Macedo, Luis: "Recommending POIs based on the User's Context and Intentions", In Highlights on Practical Applications of Agents and Multi-Agent Systems, vol. 365 of Communications in Computer and Information Science. Springer, pp. 166-177 - Salamanca, Spain – May, 2013.

Costa, Hernani and Macedo, Luis: "Emotion-Based Recommender System for Overcoming the Problem of Information Overload", In Highlights on Practical Applications of Agents and Multi-Agent Systems, vol. 365 of Communications in Computer and Information Science. Springer, pp. 178-189 - Salamanca, Spain – May, 2013.

Costa, Hernani and Furtado, Barbara and Pires, Durval and Macedo, Luis and Cardoso, Amilcar: "Context and Intention-Awareness in POIs Recommender Systems", 6th ACM Conference on Recommender Systems (RecSys'12), 4th Workshop on Context-Aware Recommender Systems (CARS'12) - Dublin, Ireland - September, 2012

Gonçalo Oliveira, Hugo and Costa, Hernani and Santos, Diana: "Folheador: browsing through Portuguese semantic relations", Proc. 13th Conference of the European Chapter of the Association for Computational Linguistics 2012 (EACL'12), Avignon, France - April, 2012

Gonçalo Oliveira, Hugo, Costa, Hernani and Santos, Diana: "Browsing Portuguese with Folheador", 10th International Conference on the Computational Processing of the Portuguese Language, Demo Session of PROPOR 2012 - Coimbra, Portugal - April, 2012

Gonçalo Oliveira, Hugo and Antón Pérez, Leticia and Costa, Hernani and Gomes, Paulo: "Uma grande rede léxico-semântica para o português extraída a partir de dicionários electrónicos", Vol. 3 n.2, pages 23-38, Linguamática 2012 (journal) - December, 2011

Costa, Hernani and Gonçalo Oliveira, Hugo and Gomes, Paulo: "Using the Web to Validate Lexico-Semantic Relations", Proc. 15th Portuguese Conference on Artificial Intelligence (EPIA'11), Lisbon, Portugal - October, 2011 (One of he sixth Nominated for Best Paper Award)

Gonçalo Oliveira, Hugo and Costa, Hernani and Gomes, Paulo: "Extracção de conhecimento léxico-semâtico a partir de resumos da Wikipédia", INFORUM 2010 – Simpósio de Informática, Braga, Portugal - September, 2010

Costa, Hernani and Gonçalo 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

Book:

Costa, Hernani: "Automatic Extraction and Validation of Lexical Ontologies from text: Creating Lexical Ontologies from text", 124 pages, LAP LAMBERT Academic Publishing - October, 2011

Thesis:

MSc Thesis: Costa, Hernani: "Automatic Extraction and Validation of Lexical Ontologies from text", 124 pages, Coimbra, Portugal - September, 2010

Others:

Tech Report:Costa, Hernani: "O Desenho do novo Folheador", 15 pages, Linguateca, FCCN - December, 2011

TleIA submition: Costa, Hernani "Quantifying Relational Triples", In. Prémio Nacional de Trabalhos em Inteligência Artificial Nacional (TleIA 2010), 49 pages, Universidade do Minho, Portugal – October, 2010

Tech Report: Costa, Hernani "Quantifying Relational Triples", 10 pages, CISUC, FTC – October, 2010

Citations

Riboni, Daniele and Bettini, Claudio. *"A Platform for Privacy-Preserving Geo-social Recommendation of Points of Interest"*. 14th IEEE International Conference on Mobile Data Management (MDM'13). vol. 1, IEEE Computer Society. Milano, Italy. June, 2013. pp. 347-349.

Simões, Alberto and Iriarte S., Álvaro and João Almeida, José. *"Dicionário-Aberto: Construção semiautomática de uma funcionalidade codificadora"*. 27e Congrés International de Linguistique et de Philologie Romanes. Section 5: Lexicologie, phraséologie, lexicographie. Nancy, France. July, 2013. p. 2.

Renau, Irene and Nazar, Rogelio. *"Hypernymy relations from definiens-definiendum co-occurrence in multiple dictionary definitions"*. vol. 49, n.0, Procesamiento de Lenguaje Natural. September, 2012. pp. 83-90.

Suares Batista, David and Forte, David and Silva, Rui and Martins, Bruno and Silva, Mario. *"Extracção de Relações Semânticas de Textos em Português Explorando a DBpédia e a Wikipédia"*. vol. 1, nº 5, Linguamática. July, 2013. pp. 41-57.

Santos, Antonio Paulo and Ramos, Carlos and Marques, Nuno C. *"Extração de Relações em Títulos de Notícias Desportivas"*. IV Simpósio de Informática, Track on Gestnao de Dados e Conhecimento (INForum'12). Lisboa, Portugal. September, 2012. pp. 431-442.

Other skills and competences

Academic:

- Solid knowledge in Natural Language Processing, specifically in Information Extraction and Information Retrieval. In addition, a good background in Intelligent Travel Information Systems.

- Strong knowledge in JAVA.

Sports:

Cycling, Playing football and swimming.

Driving licences

Category: A1, A, B and B1.