

**PEDRO CARVALHO DE OLIVEIRA**

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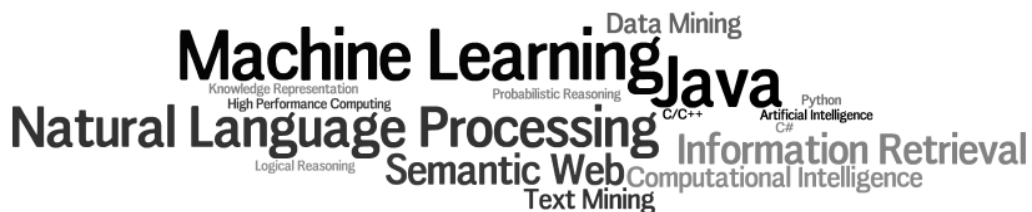
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🌐 www.cpdolina.net

**OVERVIEW**

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**EDUCATION**

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2007-2009 **MSc in Informatics Engineering**

University of Coimbra, Portugal

Final Mark: 18/20

2004-2008 **BSc in Informatics Engineering**

University of Coimbra, Portugal

Final Mark: 15/20

**WORK EXPERIENCE**

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Since Feb 2011

**Founder**

📍 Oriente, Ourém, Portugal [www.oriente.com](http://www.oriente.com)

Developing an advanced Social Media Analytics platform for the Portuguese-speaking market

**Keywords:** Natural Language Processing, Text Mining, Real-time Data Analytics

Since Nov 2010

**Independent Researcher**

📍 Ourém, Portugal

Collaborating with external companies on the development of disruptive R&D products

**Keywords:** Machine Learning, Natural Language Processing, Text Mining, High Performance Computing

Nov 2009 – Nov 2010

**Artificial Intelligence R&D Intern**

📍 Clark & Parsia LLC, Washington, DC, USA [www.clarkparsia.com](http://www.clarkparsia.com)

Worked on several commercial (Pellet, Spanner, Stardog, PelletServer, Pelorus) and internal products

**Keywords:** Machine Learning, Natural Language Processing, Logical Reasoning

July 2006 – Oct 2009 **Associate Researcher**

📍 Centre for Informatics and Systems of the University of Coimbra, Coimbra, Portugal [cisuc.dei.uc.pt](http://cisuc.dei.uc.pt)

Worked on several academic (Health Mining, Semantic Reuse System, EPILEPSIAE, BotProject) and industrial projects at the Knowledge Intelligent System group

**Keywords:** Data Mining, Time Series Analysis, Ontology Search and Reuse, Epileptic Seizure Prediction, Natural Language Processing

## PUBLICATIONS

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- [Pedro Oliveira](#), Paulo Gomes: "Learning and Reasoning about Uncertainty in the Semantic Web", *14th Portuguese Conference on Artificial Intelligence*, Aveiro, Portugal, October 2009
- [Pedro Oliveira](#), "Probabilistic Reasoning in the Semantic Web using Markov Logic", *MSc Thesis*, Department of Informatics Engineering, University of Coimbra, Portugal, July 2009
- [Pedro Oliveira](#), Paulo Gomes: "Instance-based Probabilistic Reasoning in the Semantic Web", Poster at the *18th International World Wide Web Conference*, Madrid, Spain, April 2009
- Rui P. Costa, [Pedro Oliveira](#), Guilherme Rodrigues, Bruno Leitão and António Dourado: "Epileptic Seizure Classification Using Neural Networks With 14 Features", *12th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems*, Zagreb, Croatia, September 2008

## ACADEMIC HONORS

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- 2009 Won TLeIA 2009, awarded by the Portuguese Association for Artificial Intelligence (APPIA) for the best Portuguese graduate work on Artificial Intelligence related fields
- 2005 Won academic prize for being one of the 3% best students in his course

## SOFTWARE

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- PTStemmer A Stemming Toolkit for the Portuguese Language  
<http://code.google.com/p/ptstemmer/>
- Incerto A Probabilistic Reasoner for the Semantic Web based on Markov Logic  
<http://code.google.com/p/incerto/>
- Github <http://github.com/cpdomina>

## TECHNICAL SKILLS

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Programming Languages: Java, C#, Python, C/C++

Web development: HTML, CSS, PHP, JSP, Servlets, JQuery, Vaadin

Machine Learning & NLP: Mahout, GATE, Mallet, Lucene, OpenNLP, Lingpipe, Weka

Experience on code optimization and advanced algorithmic programming

Languages: Portuguese (native), English (fluent), Spanish (basic)

## REFERENCES

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On request