

# Curriculum Vitæ

André Fernandes dos Santos

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## 1 Personal Information

**Name:** André Fernandes dos Santos

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## 2 Education

**2010-present** MSc in Bioinformatics, University of Minho  
120 ECTS

**2009-2011** MSc in Natural Language Processing, University of Minho  
120 ECTS – final grade 17/20

Master thesis: “Building a Corpora-Flow System”  
*Development of a system to support automatic handling of corpora (cleaning, validation, format conversion), document alignment and calculation alignability metrics of several types of documents.*

**2006-2009** BSc in Software Engineering, University of Minho  
180 ECTS, final grade 15/20

## 3 Professional Experience

**Jul-Set 2009** Project Bigorna, Traineeship Sapo Summerbits 2009

<http://natura.di.uminho.pt/wiki/doku.php?id=ferramentas:bigorna>

Open source project which aims to develop natural language processing tools

to help in general orthography migration challenges, motivated by the 1990 Portuguese Language Orthographic Agreement.

**Feb 2011 - present** Systems Administrator at GroupBuddies

<http://www.groupbuddies.com>

Startup company which develops web-based solutions for groups and organizations. Typical tasks include:

- deployment and management of several Unix-based servers, with Apache and MySQL services
- managing Ruby on Rails applications on a production environment
- managing Git repositories
- development of helper scripts to automate and facilitate server management

**Apr 2011 - present** Scholarship from project *Per-Fide: Portuguese in parallel with six languages: Español, Russian, Français, Italiano, Deutsch, English*.

<http://per-fide.di.uminho.pt>

Project devoted to build large parallel corpora.

## 4 Training

**Jul 2005** German Open Course, U. Junior, Faculty of Arts, University of Porto

**Set 2005** Physics Summer School, Faculty of Science, University of Porto

**Jun 2010** Catalyst 5.80 (*Portuguese Perl Workshop 2010*, Porto)

**Jul 2010** Evolutionary Computing School, (UMinho, Guimarães)

**Nov 2010 - Mar 2011** IdeaLab – Business Ideas Lab, TecMinho

**Jun 2011 - Jul 2011** Summer School on Conceptual Design and Development of Innovative Products 2011, Struer, Denmark (5 ECTS)

## 5 Technical Skills

- Basic experience with PASCAL, C#, PHP, JavaScript, UML, XML, HTML, SQL, Haskell;
- Experience with SQL and database management.
- Proficiency with C and Java;
- Proficiency with Perl, including Moose, Catalyst, Dancer, DBIx::Class and other Modern::Perl concepts;
- Unix sys admin experience;
- Others:  $\text{\LaTeX}$ , bash, Subversion, Git, Apache and associated technologies.

## 6 Other Activities

### 6.1 CeSIUM (UMinho's Software Engineering Student Center)

**2008-2011** Member of CeSIUM

**2009/2010** Vice-President of CeSIUM

**2010/2011** Director of CAOS (Open Source Support Center)

### 6.2 Programming Challenges

**2007-2009** Inter-University Programming Marathon (IST'07, UC'08, ESTGA'09)

**Nov 2008** ACM South Western European Regional Contests (Nuremberg, Germany)

**Feb 2012** APPP Perl Code Sprint, 3<sup>rd</sup> qualified

### 6.3 Sports

**1998-2000** Artistic gymnastics

**2007-2008** Basketball

**1999-2012** Judo, 4<sup>th</sup> Kyu

**2010-2012** National Judo University Championship (Aveiro'10, Lisbon'11, Aveiro'12)

## Publications

- [1] J.J. Almeida, A. Santos, and A. Simoes. "Bigorna – A Toolkit for Orthography Migration Challenges". In: *Proceedings of the Seventh International Conference on Language Resources and Evaluation (LREC'10)*. Valletta, Malta: European Language Resources Association (ELRA), 2010. ISBN: 2-9517408-6-7.
- [2] A. Rocha et al. "AGile, a structured editor, analyzer, metric evaluator, and transformer for Attribute Grammars". In: *INForum 2010, Braga, Portugal*. 2010.
- [3] A. Santos. "A survey on parallel corpora alignment". In: *MI-Star 2011, Braga, Portugal*. 2011.
- [4] A. Santos. "Contributions for building a Corpora-Flow system". MA thesis. Departamento de Informática, Escola de Engenharia, Universidade do Minho, 2011.
- [5] A. Santos and J.J. Almeida. "Text::Perfide::Bookcleaner, a Perl module to clean and normalize plain text books". In: *Congreso Anual de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN2011)*, Huelva, Spain. 2011.

- [6] A. Santos, R. Nogueira, and A. Lourenço. "Applying a text mining framework to the extraction of numerical parameters from scientific literature in the biotechnology domain". In: *Advances in Distributed Computing and Artificial Intelligence Journal (ADCAIJ)* 1 (2012), pp. 1–8.
- [7] André Santos, José João Almeida, and Nuno Carvalho. "Structural alignment of plain text books". In: *Proceedings of the Eight International Conference on Language Resources and Evaluation (LREC'12)*. Istanbul, Turkey: European Language Resources Association (ELRA), 2012. ISBN: 978-2-9517408-7-7.