

# 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 estimate the alignability 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 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
- 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*. 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)

**Out 2010** Seminar “Republic and Youth”, National Youth Council

**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 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**

**Out 2007** Inter-University Programming Marathon (IST, UTL, Lisbon)

**Out 2008** Inter-University Programming Marathon (UC, Coimbra)

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

**Out 2009** Inter-University Programming Marathon (ESTGA, Aveiro)

### **6.3 Sports**

**1998-2000** Artistic gymnastics

**2007-2008** Basketball

**1999-2011** Judo, 4<sup>th</sup> Kyu

**Mar 2010** National Judo University Championship, Aveiro

**Mar 2011** National Judo University Championship, Lisbon

## **7 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, may 2010. European Language Resources Association (ELRA).
- [2] A. Rocha, A. Santos, D. Rocha, H. Silva, J. Mendes, J. Freitas, M. Coelho, M. Regedor, D. da Cruz, and P.R. Henriques. 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. Master's thesis, Departamento de Informática, Escola de Engenharia, Universidade do Minho, October 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. *Advances in Distributed Computing and Artificial Intelligence Journal (ADCAIJ)*, 1:1–8, June 2012.
- [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, May 2012. European Language Resources Association (ELRA).