

andré santos

nlp, webdev and sysadmin

about

address

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website

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languages

native portuguese
fluent english
basic spanish+french

programming

♥ Perl (Moose, Dancer,
Catalyst, DBIC)
Bash, \LaTeX

interests

web development, open source software, Perl, natural language processing, information retrieval, bioinformatics

experience

since 2011

GroubBuddies

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

System administrator

since 2012 Nov

CEB, University of Minho

Computação Colectiva e Controlo em Sistemas
Bioquímicos Complexos

Researcher

2011 Apr to

2012 Sep

CEHUM, University of Minho

Project Per-Fide: Portuguese in parallel with six languages: Español, Russian, Français, Italiano, Deutsch, English

Researcher

2009 Jul-Sep

Sapo Summerbits'09

Open source software development

Development of natural language processing tools to help in general orthography migration challenges, motivated by the 1990 Portuguese Language Orthographic Agreement.

Research Internship

technical skills

Perl

Including Moose, Catalyst, Dancer, DBIx::Class and other Modern::Perl concepts.

Proficient

Web development

Mostly using Perl frameworks, but also Bootstrap from Twitter, CSS, Javascript.

Proficient

Ontologies and structured documents

XML, XQuery, XPath, JSON and ontology formats: OWL, OBO, RDF.

Experienced

Systems administration, programming tools and methods

Bash, Subversion, Git, \LaTeX , Apache, Agile.

Experienced

Other programming languages

SQL, C, Java, PHP, UML, Haskell, Ruby, Pascal.

education

2011–2012	MSc in Bioinformatics <i>Mining biological parameters from literature: an application to environmental decision support systems</i> Development of a modular and extensible framework for building text mining applications for scientific literature, focused on numerical parameters and including a web interface. 120 ECTS, final grade 17/20	University of Minho, Portugal
2009–2011	MSc in Natural Language Processing <i>Contributions for building a Corpora-Flow System</i> 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. 120 ECTS, final grade 17/20	University of Minho, Portugal
2006–2009	BSc in Software Engineering 180 ECTS, final grade 15/20	University of Minho, Portugal

training

2011 Jul	Bang and Olufsen Summer School Conceptual Design and Development of Innovative Products	Struer, Denmark
2010/11	IdeaLab -- Business Ideas Lab	TecMinho
2010 Jul	Luso-Brazilian Evolutionary Computing School	University of Minho, Guimarães
2010 Jun	Catalyst 5.80	Portuguese Perl Workshop'10
2005 Set	Physics Summer School	Faculty of Science, University of Porto
2005 Jul	German Open Course	Faculty of Arts, University of Porto

other activities

cesium University of Minho's Software Engineering Student Center

2009/10	Vice-president	http://cesium.di.uminho.pt
2010/11	Director at CAOS CeSIUM's Open Source Support Center	http://caos.di.uminho.pt

programming challenges

2012	APPP Perl Code Sprint 3 rd qualified in the Perl programming competition organized by the Portuguese Perl Mongers group.	http://perl.pt
2009	Microsoft Imagine Cup'09 5 th classified in the national finals.	Lisbon, Portugal
2008	ACM South Western European Regional Contests International programming competition.	Nuremberg, Germany
2007-2009	Inter-University Programming Marathon National ACM-style programming competition.	IST'07, UC'08, ESTGA'09

sports

since 1999	Judo	INATEL; University of Minho
2010-2012	National Judo University Championships	Aveiro'10, Lisbon'11, Aveiro '12
2007/08	Basketball	University of Minho
1998-2000	Artistic gymnastics	INATEL

publications

articles in peer-reviewed journal

Applying a text mining framework to the extraction of numerical parameters from scientific literature in the biotechnology domain

A. Santos, R. Nogueira, A. Lourenço

Advances in Distributed Computing and Artificial Intelligence Journal (ADCAIJ) 1 (2012) pp. 1–8. 2012

peer-reviewed conferences/proceedings

Structural alignment of plain text books

André Santos, José João Almeida, Nuno Carvalho

Proceedings of the Eight International Conference on Language Resources and Evaluation (LREC'12), 2012, Istanbul, Turkey

A survey on parallel corpora alignment

A. Santos

MI-Star 2011, Braga, Portugal, 2011

Text::Perfide::Bookcleaner, a Perl module to clean and normalize plain text books

A. Santos, J.J. Almeida

Congreso Anual de la Sociedad Española para el Procesamiento del Lenguaje Natural (SEPLN2011), Huelva, Spain, 2011

Bigorna – A Toolkit for Orthography Migration Challenges

J.J. Almeida, A. Santos, A. Simoes

Proceedings of the Seventh International Conference on Language Resources and Evaluation (LREC'10), 2010, Valletta, Malta

AGile, a structured editor, analyzer, metric evaluator, and transformer for Attribute Grammars

A. Rocha, A. Santos, D. Rocha, H. Silva, J. Mendes, J. Freitas, M. Coelho, M. Regedor, D. Cruz, P.R. Henriques

INForum 2010, Braga, Portugal, 2010

dissertations

Contributions for building a Corpora-Flow system

A. Santos

Master's dissertation, Departamento de Informática, Escola de Engenharia, Universidade do Minho, 2011

presentations

Dist::Zilla

A. Santos

In Portuguese Perl Workshop'12, 2012

Cleaning plain text books with Text::Perfide::BookCleaner

A. Santos

In Portuguese Perl Workshop'11, Lisbon, September 2011

Preparação de livros para alinhamento

A. Santos

In I Jornadas Internacionais Per-Fide: Corpora e Tradução, 2011

Detecção e Correção Parcial de problemas na Conversão de Formatos

A. Santos

In I Workshop Per-Fide: Construção, exploração e aplicação de Corpora Paralelos. 2010

Mini aplicações web com Mojolicious::Lite

A. Santos

In Portuguese Perl Workshop'10, Porto, June 2010