

andré santos

web development and NLP

about

website
andrefs.com

projects
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languages

native portuguese
fluent english
basic spanish+french

programming

♥ Node.js, Perl, Git

interests

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

experience

since 2013	SAPO, Portugal Telecom (consultant from CoderHat) Largest Portuguese web portal. Typical tasks include: <ul style="list-style-type: none">development and support of multiple Node.js APIs,management of several MongoDB databases,development of Node.js and Perl frontend websites and backoffices http://sapo.pt	Web developer
2011–2013	GroupBuddies Typical tasks included: <ul style="list-style-type: none">deployment and management of several Unix-based servers, with Apache and MySQL services, and Ruby on Rails applicationsdevelopment of helper scripts to automate server management tasks http://groupbuddies.com	Sys admin
2012 Nov to 2013 Feb	CEB, University of Minho Collective Computation and Control in Complex Biochemical Systems	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 http://per-fide.di.uminho.pt/	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. http://softwarelivre.sapo.pt/projects/bigorna/	Research grant

technical skills

Node.js Express.js and custom-made web frameworks, ORMs, templating systems, ... https://www.npmjs.com/~andrefs	Experienced
Perl Including Moose, Dancer, Text::More and other Modern::Perl concepts. https://metacpan.org/author/ANDREFS	Proficient
Web development Both server-side and client-side technologies: Node.js, Perl, Javascript, CSS	Proficient
Other competences and interests Git, \LaTeX , Bash, Haskell, IoT, Elasticsearch, ontologies and structured formats	

education

2011–2012	MSc in Bioinformatics Mining biological parameters from literature: an application to environmental decision support systems 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 Contributions for 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. 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 Language 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

2014	SAPO Codebits Programming Contest 2nd qualified team with a web application to extract relevant topics from a large collection of news.	https://github.com/andrefs/policias_beduinos
2012	APPP Perl Code Sprint 3rd 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

1999–2013	Judo	INATEL; University of Minho
2010-2013	National Judo University Championships	Aveiro'10, Lisbon'11, Aveiro '12, Coimbra '13
2007/08	Basketball	University of Minho
1998-2000	Artistic gymnastics	INATEL

publications

articles in peer-reviewed journal

The Per-Fide corpus: A new resource for corpus-based terminology, contrastive linguistics and translation studies

José João Almeida, Sílvia Araújo, Nuno Carvalho, Idalete Dias, Ana Oliveira, André Santos, Alberto Simões

Working with Portuguese Corpora (2014) pp. 177–200. Bloomsbury Publishing, 2014

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 (June 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

Mining biological parameters from literature: an application to environmental decision support systems

André Santos

Master's dissertation, Departamento de Engenharia Biológica, Escola de Engenharia, Universidade do Minho, 2012

Contributions for building a Corpora-Flow system

A. Santos

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

presentations

Mini aplicações web com Mojolicious::Lite

A. Santos

In Portuguese Perl Workshop'10, Porto, June 2010

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

A. Santos

In Portuguese Perl Workshop'11, Lisbon, September 2011

ElastoMania

A. Santos

In SAPO Codebits VII, Introduction to ElasticSearch, 2014

Building your own CPAN with Pinto

A. Santos

In Portuguese Perl Workshop'13, 2013

Dist::Zilla

A. Santos

In Portuguese Perl Workshop'12, 2012

“Perl is dead” is dead

A. Santos

In Sapo Codebits VI, Overview on Perl's history and current state, 2012

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