andré**santos**
web development and NLP

about

address
Av. Praia da Vitória,
n 5, 4 DIR
1000-245 Lisbon
Portugal

phone
+351 927 715 379

birth date
24 Fev 1988

website
andrefs.com

projects
github.com/andrefs

mail
cv@andrefs.com

twitter
@about_andrefs

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)**	Web developer

Largest Portuguese web portal. Typical taks include:
- 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

2011–2013	**GroupBuddies**	Sys admin

Typical tasks included:
- deployment and management of several Unix-based servers, with Apache and MySQL services, and Ruby on Rails applications
- development of helper scripts to automate server management tasks

http://groupbuddies.com

2012 Nov to 2013 Feb	**CEB, University of Minho**	Researcher

Collective Computation and Control in Complex Biochemical Systems

2011 Apr to 2012 Sep	**CEHUM, University of Minho**	Researcher

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

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

2009 Jul-Sep	**Sapo Summerbits'09**	Research grant

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/

technical skills

Node.js — Experienced
Express.js and custom-made web frameworks, ORMs, templating systems, …
https://www.npmjs.com/~andrefs

Perl — Proficient
Including Moose, Dancer, Text::More and other Modern::Perl concepts.
https://metacpan.org/author/ANDREFS

Web development — Proficient
Both server-side and client-side technologies: Node.js, Perl, Javascript, CSS

Other competences and interests
Git, LaTeX, Bash, Haskell, IoT, ElasticSearch, ontologies and structured formats

education

2011–2012	**MSc in Bioinformatics**	University of Minho, Portugal

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

2009–2011	**MSc in Natural Language Processing**	University of Minho, Portugal

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

2006–2009	**BSc in Software Engineering**	University of Minho, Portugal

180 ECTS, final grade 15/20

training

2011 Jul	**Bang and Olufsen Summer School**	Struer, Denmark

Conceptual Design and Development of Innovative Products

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, Univerity 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**	http://caos.di.uminho.pt

CeSIUM's Open Source Support Center

programming challenges

2014	**SAPO Codebits Programming Contest**	https://github.com/andrefs/policias_beduinos

2nd qualified team with a web application to extract relevant topics from a large collection of news.

2012	**APPP Perl Code Sprint**	http://perl.pt

3rd qualified in the Perl programming competition organized by the Portuguese Perl Mongers group.

2009	**Microsoft Imagine Cup'09**	Lisbon, Portugal

5th classified in the national finals.

2008	**ACM South Western European Regional Contests**	Nuremberg, Germany

International programming competition.

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

National ACM-style programming competition.

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 Correcção Parcial de problemas na Conversão de Formatos
A. Santos

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