andrésantos

web, language and semantics

about

address

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Portugal

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birth date

24 Fev 1988

contacts

github.com/andrefs (7) cv@andrefs.com ✓

languages

native portuguese fluent english basic spanish+french

favorite tools

▼ TypeScript, React, Docker, Rust

looking into

00 Rust, Kubernetes

interests

Fullstack developer with backend preference, working with Node, is, React, TypeScript, Docker. Interested in semantic web, natural language processing, functional programming, machine learning and web development.

technical skills

Languages Node.js, TypeScript and Perl

Also Rust, LATEX

Databases MongoDB

Also MySQL, PostgreSQL, ElasticSearch

Frameworks **Express, Dancer** Also React, Jest and libraries Other tools Docker, Git, Bash

relevant experience

since Jan 2022 **Decipad. remote –** decipad.com

Software engineer

Interactive notebook to explore data. Typical tasks include:

- improving and extending the grammar for an in-house developed language • implementing logic supporting complex editor components (e.g. code lines)
- implementing React components on top of a Slate.js/Plate editor

since Apr 2017 INESC TEC, Porto

Research assistant

Guest assistant professor

2018 Oct to University of Minho, Braga

2020 Sep Teaching MSc classes:

Natural Language Processing

 Data Analysis and Visualization http://di.uminho.pt, elach.uminho.pt

2016 Jul to

Contentful GmbH, Berlin – contentful.com

Headless API-first CMS. Typical tasks included:

2017 Mar

- development and support of multiple Node.js APIs, · management of several MongoDB databases,
- · development of Node.js and Perl frontend websites and backoffices

2013-2015 SAPO, Portugal Telecom, Lisbon Consultant, web developer

JavaScript backend engineer

Largest Portuguese web portal. Typical tasks included:

- development and support of Node.js APIs,
 - management of several MongoDB databases,
 - · development of Node.js and Perl frontend websites and backoffices

http://sapo.pt, http://24.sapo.pt, http://jornais.sapo.pt

2011–2013 **Subvisual, Braga –** subvisual.co Sys admin

UX, UI, web and mobile development company

Typical tasks included:

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

education

since Oct 2017 MAP-i Doc. Prog. in Computer Science Fac. of Sciences of Univ. of Porto, Portugal

Semantic measures in large semantic graphs (ongoing)

180 ECTS

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

Mining biological parameters from literature: an

application to environmental decision support systems (thesis)

Development of a framework for building text mining applications for scientific literature, focused on numerical parameters and supported by 3rd-party tools and expert-curated ontologies.

120 ECTS, final grade 17/20

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

Contributions for building a Corpora-Flow System (thesis)

Development of a system to support automatic handling of corpora
(cleaning, validation, format conversion), document alignment and
calculation of alignability metrics of several types of documents.

120 ECTS, final grade 17/20

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

Typical CompSci course 180 ECTS, final grade 15/20

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 competitions

2018	Pixels Camp 3rd qualified team with a blockchain-p	https://github.com/luispmiranda/boothchain powered photo booth.
2015	Miniclip Game Jam 3rd qualified and Innovation prize with	https://github.com/subvisual/planet-mocha a space inspired game.
2014	SAPO Codebits Hackathon 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 3rd qualified in the Perl programming organized by the Portuguese Perl Mor	·

2009 **Microsoft Imagine Cup'09**5th classified in the national finals.

2008 ACM South Western European Regional Contests
International programming competition.

Nuremberg, Germany

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

National ACM-style programming competition.

sports

since 1999	Judo, 1st Kyu	INATEL, University of Minho,	Boavista Futebol Clube, Sport Club do Porto
2018	Veterans Open Gold medal	Championship	Associação Distrital de Judo de Lisboa
2018	Veterans Natio Silver medal	nal Championship	Portuguese Judo Federation

2010-2013 National Judo University Championships Aveiro'10, Lisbon'11, Aveiro '12, Coimbra '13

publications

chapter

José João Almeida, Sílvia Araújo, Nuno Carvalho, Idalete Dias, Ana Oliveira, André Santos, and Alberto Simões. "The Per-Fide corpus: A new resource for corpus-based terminology, contrastive linguistics and translation studies". In: Working with Portuguese Corpora. Ed. by Tony Berber Sardinha and Telma de Lurdes São Bento Ferreira. Bloomsbury Publishing, 2014. Chap. 9, pp. 177–200.

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, and A. Lourenço

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

peer-reviewed conferences/proceedings

Derzis: A Path Aware Linked Data Crawler

André Fernandes dos Santos and José Paulo Leal

10th Symposium on Languages, Applications and Technologies (SLATE 2021), 2021

DAOLOT: A Semantic Browser

João Bruno Silva, André Santos, and José Paulo Leal

9th Symposium on Languages, Applications and Technologies (SLATE 2020), 2020

Structural alignment of plain text books

André Santos, José João Almeida, and 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 and 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, and 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. da Cruz, and 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 and workshops

Aprender por projetos com Raspberry Pi

Luís Santos and André Santos

jCDE2016 - IV Jornada Conteúdos Digitais para a Educação, 2016

Elasto Mania

A. Santos

In SAPO Codebits VII, 2014

Building your own CPAN with Pinto

A. Santos

In Portuguese Perl Workshop'13, 2013

"Perl is dead" is dead

A. Santos

In Sapo Codebits VI, 2012

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, 2011

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

Mini aplicações web com Mojolicious::Lite

A. Santos

In Portuguese Perl Workshop'10, 2010