

andrésantos

web, language and semantics

about

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birth date

24 Feb 1988

contacts

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languages

native portuguese
fluent english
basic spanish+french

favorite tools

♥ Node.js,
React+Redux, Docker,
Perl, Git, MongoDB

looking into

 Remix, Kubernetes

interests

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

technical skills

Languages	Node.js, JavaScript and Perl Also Haskell, \LaTeX
Databases	MongoDB Also MySQL, PostgreSQL, ElasticSearch
Frameworks and libraries	Express, Dancer Also React, Mocha, Chai, Sinon
Other tools	Docker, Git, Bash

relevant experience

since Apr 2017	INESC TEC, Porto	Research Assistant
2018 Oct to 2020 Sep	University of Minho, Braga Teaching MSc classes: <ul style="list-style-type: none">Natural Language ProcessingData Analysis and Visualization http://di.uminho.pt	Guest assistant professor
2016 Jul to 2017 Mar	Contentful GmbH, Berlin Headless API-first CMS. Typical tasks included: <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://contentful.com	JavaScript Backend Engineer
2013–2015	SAPO, Portugal Telecom (consultant from CoderHat), Lisbon Largest Portuguese web portal. Typical tasks included: <ul style="list-style-type: none">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	Web developer
2011–2013	Subvisual (former GroupBuddies), Braga UX, UI, web and mobile development company Typical tasks included: <ul style="list-style-type: none">deployment and management of Unix-based servers, with Apache and MySQL services, and Ruby on Rails applicationsdevelopment of helper scripts to automate server management tasks https://subvisual.co	Sys admin

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	https://github.com/luismiranda/boothchain
	3rd qualified team with a blockchain-powered photo booth.	
2015	Miniclip Game Jam	https://github.com/subvisual/planet-mocha
	3rd qualified and Innovation prize with 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	http://perl.pt
	3rd qualified in the Perl programming competition organized by the Portuguese Perl Mongers group.	
2009	Microsoft Imagine Cup'09	Lisbon, Portugal
	5 th 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

since 1999	Judo, 1st Kyu	INATEL, University of Minho, Boavista Futebol Clube, Sport Club do Porto
2018	Veterans Open Championship Gold medal	Associação Distrital de Judo de Lisboa
2018	Veterans National Championship Silver medal	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, Idaete 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 Telma de Lurdes São Bento Ferreira Tony Berber Sardinha. 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

“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 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, 2010