andré**santos**

web, language and semantics

about

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cv@andrefs.com ✉
@about_andrefs 🐦

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**   Guest assistant professor
Teaching MSc classes:
- Natural Language Processing
- Data Analysis and Visualization

http://di.uminho.pt

2016 Jul to 2017 Mar   **Contentful GmbH, Berlin**   JavaScript backend engineer
Headless API-first CMS. Typical tasks included:
- 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

2013–2015   **SAPO, Portugal Telecom (consultant from CoderHat), Lisbon**   Web developer
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 (former GroupBuddies), Braga**   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

https://subvisual.co

education

other activities

cesium University of Minho's Software Engineering Student Center

programming competitions

sports

<small>since</small> 1999   **Judo, 1st Kyu**   INATEL, University of Minho, Boavista Futebol Clube, Sport Club do Porto

2018   **Veterans Open Championship**   Associação Distrital de Judo de Lisboa
Gold medal

2018   **Veterans National Championship**   Portuguese Judo Federation
Silver medal

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