




# andré santos

web, language and bioinformatics

## about

### contacts

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## languages

native portuguese  
fluent english  
basic spanish+french

## favorite tools

♥ Node.js, Perl, Git,  
MongoDB

## summary

Fullstack developer with backend preference, working mainly in Node.js and JavaScript, Perl and MongoDB. Currently playing with React, ES2015 and ElasticSearch. Background in natural language processing and bioinformatics.

## technical skills

Languages	<b>Node.js, JavaScript and Perl</b> Also Haskell, $\text{\LaTeX}$
Databases	<b>MongoDB</b> Also MySQL, PostgreSQL, ElasticSearch
Frameworks and libraries	<b>Express, Dancer</b> Also React, Mocha, Chai, Sinon
Other tools	<b>Git, Bash</b>

## experience

2013–2015	<b>SAPO, Portugal Telecom (consultant from CoderHat)</b> Largest Portuguese web portal. Typical tasks included: <ul style="list-style-type: none"><li>development and support of multiple Node.js APIs,</li><li>management of several MongoDB databases,</li><li>development of Node.js and Perl frontend websites and backoffices</li></ul> <a href="http://sapo.pt">http://sapo.pt</a> , <a href="http://24.sapo.pt">http://24.sapo.pt</a> , <a href="http://jornais.sapo.pt">http://jornais.sapo.pt</a>	Web developer
2011–2013	<b>Subvisual (former GroupBuddies)</b> Typical tasks included: <ul style="list-style-type: none"><li>deployment and management of several Unix-based servers, with Apache and MySQL services, and Ruby on Rails applications</li><li>development of helper scripts to automate server management tasks</li></ul> <a href="https://subvisual.co">https://subvisual.co</a>	Sys admin
2012 Nov to 2013 Feb	<b>CEB, University of Minho</b> Collective Computation and Control in Complex Biochemical Systems	Researcher
2011 Apr to 2012 Sep	<b>CEHUM, University of Minho</b> Project Per-Fide: Portuguese in parallel with six languages: Español, Russian, Français, Italiano, Deutsch, English <a href="http://per-fide.di.uminho.pt/">http://per-fide.di.uminho.pt/</a>	Researcher
2009 Jul-Sep	<b>Sapo Summerbits'09</b> 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. <a href="http://natura.di.uminho.pt/wiki/doku.php?id=ferramentas:bigorna">http://natura.di.uminho.pt/wiki/doku.php?id=ferramentas:bigorna</a>	Research grant

## education

- |           |  |                               |
|-----------|--|-------------------------------|
| 2011–2012 | <b>MSc in Bioinformatics</b>   | 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 | <b>MSc in Natural Language Processing</b>  | 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 | <b>BSc in Software Engineering</b>   | University of Minho, Portugal |
|           | Typical CompSci course   |                               |
|           | 180 ECTS, final grade 15/20  |                               |