TERESA COSTA

Researcher and software developer

Info

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Programming

Java
Python
SQL
SPARQL
PHP
XML
HTML
CSS
Latex
R

Profile

I'm currently a researcher at INESC TEC Porto. I started by studying Chemistry but ended up by changing my path to Computer Science and couldn't be happier.

Professional Experience

2015 - Now — **INESC TEC Porto**

R&D on semantic web technologies. This work is part of my phD research.

Development of a technology to be used on large and huge semantic graphs based on the implementation of semantic similarity and relatedness measures.
This implementation led to the elaboration of an API with that offers the possibility of being accessed through a web interface.

This work produced 2 publications to date.

2013 - 2015 — **Faculdade de Ciências da Universidade do Porto**

Researcher @ Faculdade de Ciências da Universidade do Porto. Worked on relational databases, semantic graphs and linked data integration on the project SIBILA

Development of a semantic relatedness algorithm, tuned by bootstrapping and genetic algorithm, to use with semantic graphs.
To speed up the algorithm, a graph reduction process, based on its edges, was implemented.

This work produced 4 publications.

2010 - 2011 — **Instituto de Telecomunicações do Porto**

Researcher @ Instituto de Telecomunicações do Porto
Worked in game, character and interface design on the project LIFEisGAME

Education

Master's Degree in Network and Information Systems Engineering (Communication Networks specialization) by Faculdade de Ciências da Universidade do Porto.

Technologies

- Design Patterns
- Eclipse
- Java XML
- Jackson
- JDBC
- JUNIT
- Log4j
- Apache Jena
- GWT
- Linux
- SVN
- Algorithms
- Semantic Web
- Linked Data
- Virtuoso
- OWL
- RDF