

# Flávio Martins

PhD candidate

Av. Álvaro Pais Lote BC C 6 DTO  
1600-007 Lisbon  
Portugal

+351 (963) 816 601

+251 (217) 978 080

✉ flaviomartins@acm.org

🌐 www.flaviomartins.me

🌐 flaviomartinsme

🐦 flaviomartins

📍 flaviomartins



*Be good at something; It makes you valuable.*

RANDY PAUSCH

## Education

2012

**PhD, Informatics Engineering**, *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa*, Lisbon, TBA.

- Researcher in the QSearch project

2010–2012

**MSc, Informatics Engineering**, *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa*, Lisbon, 16.

- Researcher in the ImTV project
- Researcher in the QSearch project

2004–2010

**BSc, Informatics Engineering**, *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa*, Lisbon, 13.

Won best final project, graded 20/20, with CAMPUS. CAMPUS is a social network for Universities, with a strong GIS component, allowing communities of users to tag their favorite places on campus. One of the best features is the advanced search system.

2000–2003

**Information Technology (ISCED 3)**, *Escola da APEL*, Funchal, 16.

## Master thesis

title *Improving search engines with open Web-based SKOS vocabularies*

supervisors Professor João Magalhães

description In this dissertation, we aim to improve search results and user experience by investigating the use of potentially connected Web vocabularies in information retrieval. In the context of open Web-based SKOS vocabularies we propose a query expansion framework implemented in a widely used IR system (Lucene/Solr), and evaluated using standard IR evaluation datasets. The components described in this thesis were applied in the development of a new search engine that was integrated with a rapid application development tool during an internship at Quidgest S.A.

## Experience

### Corporate

2012

**Researcher**, *Quidgest*, Lisbon.

R&D project regarding automated information management and search oriented user interfaces developed in partnership by Quidgest SA and Faculty of Sciences and Technology from the New University of Lisbon.

## Miscellaneous

2008

**SAPO Summerbits student**, *Portugal Telecom*, Lisbon.

One of 10 student participants selected to this Summer of Code inspired program from Sapo. Worked with João Neves in the development of ATrad, a Django web application to help QA of open-source software translations – <http://oss.sapo.pt/>

## Research activities

2012  
2015

**QSearch**, *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa*.

R&D project regarding automated information management and search oriented user interfaces developed in partnership by Qidgest SA and Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa.

2011

**ImTV**, *Faculdade de Ciências e Tecnologia da Universidade Nova de Lisboa*.

ImTV is a research project funded by the Fundação para a Ciência e Tecnologia, in the context of the UTAustin-Portugal collaboration (UTA-Est/MAI/0010/2009).

## Languages

Portuguese	Native	<i>Mother tongue</i>
English	Fluent	<i>Daily practice, conferences given in English</i>
French	Medium level	<i>Studied and practiced during three years</i>

## Interests

Music	Guitar
Sports	Running, Volleyball
Memberships	Board member of Ubuntu Portugal Associação Nacional de Software Livre

## Publications

### Journal

André Mourão, Flávio Martins, and João Magalhães. Multimodal medical information retrieval with unsupervised rank fusion. *Computerized Medical Imaging and Graphics*, January 2015.

Filipa Peleja, Pedro Dias, Flávio Martins, and João Magalhães. A recommender system for the TV on the web: integrating unrated reviews and movie ratings. *Multimedia Systems*, pages 1–16, March 2013.

### Conference

Bernhard Haslhofer, Flávio Martins, and João Magalhães. Using SKOS vocabularies for improving web search. In *Proceedings of the 22nd international conference on World Wide Web companion*, WWW '13 Companion, pages 1253–1258, Republic and Canton of Geneva, Switzerland, 2013. International World Wide Web Conferences Steering Committee.

Flávio Martins, Bernhard Haslhofer, and João Magalhães. Query expansion using open web-based SKOS vocabularies. In *ACM SIGIR Workshop on Health Search and Discovery: Helping Users and Advancing Medicine*, Dublin, Ireland, August 2013.

Flávio Martins and João Magalhães. NovaSearch at TREC 2014 microblog track. In

*Proceedings of the Twenty-Third Text REtrieval Conference*, TREC 2014, Gaithersburg, USA, November 2014.

Flávio Martins, André Mourão, and João Magalhães. NovaSearch at TREC 2013 microblog track: Experiments with reranking using wikipedia. In *Proceedings of the Twenty-Second Text REtrieval Conference*, TREC 2013, Gaithersburg, USA, November 2013.

Flávio Martins, Filipa Peleja, and João Magalhães. SentiTVchat: sensing the mood of social-TV viewers. In *Proceedings of the 10th European conference on Interactive tv and video*, EuroiTV '12, pages 161–164, New York, NY, USA, 2012. ACM.

A Mourao, F. Martins, and J. Magalhaes. Inverse square rank fusion for multimodal search. In *2014 12th International Workshop on Content-Based Multimedia Indexing (CBMI)*, pages 1–6, June 2014.

André Mourão and Flávio Martins. NovaMedSearch: a multimodal search engine for medical case-based retrieval. In *Proceedings of the 10th Conference on Open Research Areas in Information Retrieval*, OAIR '13, pages 223–224, Paris, France, France, 2013. Le Centre de Hautes Etudes Internationales d'Informatique Documentaire.

André Mourão, Flávio Martins, and João Magalhães. Assisted query formulation for multimodal medical case-based retrieval. In *ACM SIGIR Workshop on Health Search and Discovery: Helping Users and Advancing Medicine*, Dublin, Ireland, August 2013.

André Mourão, Flávio Martins, and João Magalhães. NovaSearch at TREC 2013 federated web search track: Experiments with rank fusion. In *Proceedings of the Twenty-Second Text REtrieval Conference*, TREC 2013, Gaithersburg, USA, November 2013.

André Mourão, Flávio Martins, and João Magalhães. NovaSearch on medical ImageCLEF 2013. In *Proceedings of the 4th International Conference of the CLEF Initiative*, CLEF 2013, Valencia, Spain, September 2013.

André Mourão, Flávio Martins, and João Magalhães. NovaSearch at TREC 2014 clinical decision support track. In *Proceedings of the Twenty-Third Text REtrieval Conference*, TREC 2014, Gaithersburg, USA, November 2014.