Romain Deveaud

Ph.D. student

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Education

2010	**M.Sc. in Computer Science**, *University of Avignon*, Avignon.
2008	**B.Sc. in Computer Science**, *University of Avignon*, Avignon.
2007	**DUT in Computer Science**, *University of Aix-Marseille*, Aix-en-Provence.
	French two-year diploma. Software engineering specialization.

Professional experience

2010-ongoing	**Ph.D. student**, *University of Avignon - LIA*, Avignon.
	Improving access to information by representing the topical and conceptual context of a query. Under the supervision of Eric SanJuan and Patrice Bellot.
2009-2010	**Web developer**, *University of Avignon*, Avignon.
	Development and promotion of open-source web applications dedicated to collaborative work. Master thesis.
2009	**Software developer**, *University of Avignon - LIA*, Avignon.
	Part of the European research project LUNA (`http://www.ist-luna.eu`). Improved a visualization software which displays finite-state automata outputs of an automatic speech recognition system (C++, GTKmm).

Computer skills

Programming languages	Ruby, PHP, JavaScript, Python, C/C++, Java	Operating systems	Linux, Unix
Databases	MySQL, PostGreSQL, PL/SQL, NoSQL (MongoDB)	Others	Git, Subversion, LATEX
Frameworks and ORMs	Symfony, Ruby on Rails, JQuery, Doctrine, Propel, ActiveRecord		

Teaching experience

Internet architectures, *MSc*, 85.5h, PW.
PHP, web development, MVC

Indexing and Information Retrieval Models, *MSc*, 13h, Lecture.
Distributed indexing, vector-space model, IR evaluation, relevance feedback.

Indexing and Information Retrieval Models, *MSc*, 15h, PW.
Building an indexer and search engine with custom query language.

Software architectures, *MSc*, 18h, PW.
Servlet, Applet, JSP, J2EE.

Object-Oriented Programming, *BSc*, 16.5h, PW.
Java programming.

Advanced algorithmic, *MSc*, 18h PW, Java.
Implementation of graph path processing algorithms.

MSc students supervising, *MSc*, 15h.

Service and administration

2013-ongoing Doctoral representative at the doctoral administration board of University of Avignon.

2010-2013 Secretary of NP-LIA, an association which financially sponsored CORIA 2011 and EACL 2012.

Reviewer for

- RECITAL 2013
- RJCRI 2013
- INEX 2010, 2011

Member of the organizing committee for

- CORIA 2011
- EACL 2012

Publications

Conference Proceedings

[1] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. Estimating Topical Context by Diverging from External Resources. In *Proceedings of the 36th Annual International ACM SIGIR Conference on Research and Development in Information Retrieval, Dublin, Ireland, July 28 - August 1st*, SIGIR, 2013. Acceptance rate: 35%.

[2] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. Unsupervised Latent Concept Modeling to Identify Query Facets. In *Proceedings of the Tenth International Conference in the RIAO series, Lisbon, Portugal, May 22-24*, OAIR, 2013.

[3] Ludovic Bonnefoy, Vincent Bouvier, **Romain Deveaud**, and Patrice Bellot. Vers une détection en temps réel de documents web centrés sur une entité donnée. In *Actes de la 10e COnférence en Recherche d'Information et Applications, Neuchâtel, Switzerland, 3-5 April*, CORIA, 2013.

[4] **Romain Deveaud**, Ludovic Bonnefoy, and Patrice Bellot. Quantification et identification des concepts implicites d'une requête. In *Actes de la 10e COnférence en Recherche d'Information et Applications, Neuchâtel, Switzerland, 3-5 April*, CORIA, 2013.

[5] **Romain Deveaud** and Florian Boudin. Contextualisation automatique de tweets à partir de wikipédia. In *Actes de la 10e COnférence en Recherche d'Information et Applications, Neuchâtel, Switzerland, 3-5 April*, CORIA, 2013.

[6] **Romain Deveaud** and Patrice Bellot. Combinaison de ressource générales pour une contextualisation implicite de requêtes. In *Actes de la 19e conférence sur le Traitement Automatique des Langues Naturelles, Grenoble, France, 4-7 Juin*, TALN, 2012.

[7] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. Ajout d'informations contextuelles issues de Wikipédia pour la recherche de passages. In *Actes de la 18e conférence sur le Traitement Automatique des Langues Naturelles, Montpellier, France, 27 Juin - 1er Juillet*, TALN, 2011.

[8] **Romain Deveaud**, Florian Boudin, Eric SanJuan, and Patrice Bellot. Correction de césures et enrichissement de requêtes pour la recherche de livres. In *Actes de la 8e COnférence en Recherche d'Information et Applications, Avignon, France, 16-18 Mars*, CORIA, 2011.

[9] Ludovic Bonnefoy, **Romain Deveaud**, and Eric Charton. Interrogations de moteurs de recherche par des requêtes formulées en langage naturel. In *Actes de la 8e Manifestation des Jeunes Chercheurs francophones en Sciences et Technologies de l'Information et de la Communication, Avignon, France, 16-18 Novembre*, MajecSTIC, 2009.

Workshops

[10] **Romain Deveaud** and Eric SanJuan. LIA at the NTCIR-10 INTENT Task. In *Proceedings of The Tenth NTCIR Conference, Tokyo, Japan, June 18-21*, NTCIR, 2013.

[11] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. LIA at TREC 2012 Web Track : Unsupervised Search Concepts Identification from General Sources of Information. In *Proceedings of The Twenty-first Text REtrieval Conference, Gaithersburg, Maryland, November 7-9*, TREC, 2012.

[12] Ludovic Bonnefoy, **Romain Deveaud**, and Patrice Bellot. Do Social Information Help Book Search? In *Focused Access to Content, Structure and Context: 11th International Workshop of the Initiative for the Evaluation of XML Retrieval, Rome, Italy, September 18-19*, INEX, 2012.

[13] **Romain Deveaud** and Florian Boudin. LIA/LINA at the INEX 2012 Tweet Contextualization track. In *Focused Access to Content, Structure and Context: 11th International Workshop of the Initiative for the Evaluation of XML Retrieval, Rome, Italy, September 18-19*, INEX, 2012.

[14] Pierre Joulin, **Romain Deveaud**, Eric SanJuan-Ibekwe, Jean-Marc Francony, and Françoise Para. Design, implementation and experiment of a YeSQL Web Crawler. In *Proceedings of the SIGIR 2012 Workshop on Open Source Information Retrieval*, OSIR, 2012.

[15] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. Social Recommendation and External Resources for Book Search. In *Focused Retrieval of Content and Structure - 10th International Workshop of the Inititative for the Evaluation of XML Retrieval, Saarbrücken, Germany, December 12-14*, INEX, 2011.

[16] **Romain Deveaud**, Eric SanJuan, and Patrice Bellot. LIA at TREC 2011 Web Track: Experiments on the Combination of Online Resources. In *Proceedings of The Twentieth Text REtrieval Conference, Gaithersburg, Maryland, November 15-18*, TREC, 2011.

[17] **Romain Deveaud**, Florian Boudin, and Patrice Bellot. LIA at INEX 2010 Book Track. In *Comparative Evaluation of Focused Retrieval - 9th International Workshop of the Inititative for the Evaluation of XML Retrieval, Vught, The Netherlands, December 13-15*, INEX, 2010.

Awards

Best paper award, *Quantification et identification des concepts implicites d'une requête*, CORIA 2013, Main author.

Best hope special award, *Interrogations de moteurs de recherche par des requetes formulees en langage naturel*, MajecSTIC 2009.

Languages

French **Native speaker**

English **Fluent**

Spanish **Learning**