

Romain Deveaud

Research assistant

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Education

- 2013-ongoing **Research Assistant**, *University of Glasgow*, Glasgow.
- 2010-2013 **Ph.D. student**, *University of Avignon - LIA*, Avignon.
Generative models for the estimation of query topics and search topical context. Thesis under the supervision of Eric SanJuan and Patrice Bellot. Collaboration with Florian Boudin (University of Nantes) for automatic summarization aspects.
- 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

- 2009-2010 **Web developer**, *University of Avignon*, Avignon.
Development and promotion of open-source web applications dedicated to collaborative work. Master thesis (*Open-Source software at the University of Avignon*).
- 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, Python, R, Java, PHP, JavaScript, C/C++	Operating systems	Linux, Unix
Databases	MySQL, PostgreSQL, PL/SQL, NoSQL (MongoDB)	Others	Git, Subversion, L ^A T _E X
Frameworks and ORMs	Symfony, Ruby on Rails, JQuery, Doctrine, Propel, ActiveRecord		

Teaching experience

- Internet architectures**, *MSc*, 85.5h, PW.
PHP, web development, MVC, JavaScript frontend.
- 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 a search engine supporting a 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.

Service and administration

- 2013 PhD students 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

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| - ECIR 2014 | - RJCRI 2013, 2014 |
| - RECITAL 2013 | - INEX 2010, 2011 |

Member of the organizing committee for

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| - CORIA 2011 | - EACL 2012 |
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Selected Papers

Romain Deveaud, Eric SanJuan, and Patrice Bellot. Are Semantically Coherent Topic Models Useful for Information Retrieval? In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*, Sofia, Bulgaria, August 4-9, ACL, 2013.

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%.

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. Acceptance rate: 22.5%.

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 Initiative for the Evaluation of XML Retrieval*, Saarbrücken, Germany, December 12-14, INEX, 2011.

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 requêtes formulées en langage naturel*, MajecSTIC 2009.

Complete List of Publications

Romain Deveaud, Eric SanJuan, and Patrice Bellot. Are Semantically Coherent Topic Models Useful for Information Retrieval? In *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (Volume 2: Short Papers)*, Sofia, Bulgaria, August 4-9, ACL, 2013.

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%.

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.

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. Acceptance rate: 22.5%.

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 Avril*, CORIA, 2013. Acceptance rate: 20%.

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 Avril*, CORIA, 2013. Acceptance rate: 20%.

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 Avril*, CORIA, 2013. Acceptance rate: 20%.

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.

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.

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.

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.

Romain Deveaud and Patrice Bellot. Combinaison de ressources 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.

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 Initiative for the Evaluation of XML Retrieval, Saarbrücken, Germany, December 12-14*, INEX, 2011.

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.

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 - 1^{er} Juillet*, TALN, 2011.

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.

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

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.

Languages

French **Native speaker**

English **Fluent**

Spanish **Learning**