

# Ludovic Bonnefoy

4 lotissement Arc-en-Ciel

84370 Bédarrides

☎ (33)6 49 89 02 66

☎ (33)4 90 33 19 35

✉ [ludovic.bonnefoy@alumni.univ-avignon.fr](mailto:ludovic.bonnefoy@alumni.univ-avignon.fr)

<https://sites.google.com/site/ludovicbonnefoy>

## Profile

I am a third year PhD student at University of Avignon / LIA. I am working in Natural Language Processing field and I am particularly focused on Named Entities, Information Filtering, Attributes extraction and Information Retrieval. I have participated to several evaluation campaigns (TREC, TAC and INEX) and published my work in international conferences (WI'11 and SIGIR'13) and in major French conferences in information retrieval (best paper at CORIA'13) and NLP (TALN).

## Education

- September 2010 – Now **PhD Thesis**, *Laboratoire Informatique d'Avignon (LIA)*, Avignon.  
Supervised by Patrice Bellot ([patrice.bellot@lisis.org](mailto:patrice.bellot@lisis.org))
- 2008–2010 **Master's degree in Computer Science with High Honours (mention très bien)**, *CERI, Avignon*.
- 2007–2008 **Bachelor's degree in Mathematics and Computer Science**, *CERI, Avignon*.
- 2005–2007 **Two-year university diploma in Mathematics**, *Université d'Avignon et des Pays du Vaucluse, Avignon*.

## Professional Experience

- June–August 2009 **Three-months contract**, *Laboratoire Informatique d'Avignon (LIA)*, Avignon.  
I had to design a web-application to annotate dialogue corpora easily. I had to discuss with professional annotators to understand what they need and entirely design the solution.

## Publications

### Conferences

- 2013 **A weakly-supervised detection of entity central documents in a stream**, *Ludovic Bonnefoy, Vincent Bouvier, Patrice Bellot*, short paper at ACM SIGIR 2013 (acceptance rate: 35%).
- Vers une détection en temps réel de documents Web centrés sur une entité donnée**, *Ludovic Bonnefoy, Vincent Bouvier, Romain Deveaud and Patrice Bellot*, CORIA 2013 (acceptance rate: 21%), Neuchatel.
- Quantification et identification des concepts implicites d'une requête**, *Romain Deveaud, Ludovic Bonnefoy, Patrice Bellot*, Best Paper at CORIA 2013 (acceptance rate: 21%), Neuchatel.
- 2011 **The Web as a Source of Evidence for Filtering Candidate Answers to Natural Language Questions**, *Ludovic Bonnefoy, Patrice Bellot, Michel Benoit*, short paper at WI-IAT 2011 (acceptance rate: 20.5% (long) + 19% (short)), Lyon.
- Mesure non-supervisée du degré d'appartenance d'une entité à un type**, *Ludovic Bonnefoy, Patrice Bellot, Michel Benoit*, short paper at TALN 2011 (acceptance rate: 55%), Montpellier.
- An Unsupervised Measure of what Extent an Entity Belongs to a Given Type

**Une approche non supervisée pour le typage et la validation d'une réponse à une question en langage naturel : application à la tâche Entity de TREC 2010**, Ludovic Bonnefoy, Patrice Bellot, Michel Benoit, CORIA 2011 (acceptance rate: 23%), Avignon.

An Unsupervised Way to Validate and Filter out Answers to Questions in Natural Language : Application to the Entity Task at TREC 2010

2009 **Interrogations de moteurs de recherche par des requêtes formulées en langage naturel**, Ludovic Bonnefoy, Romain Deveaud, Best student paper at Majestic 2009, Avignon.

### Workshops

2012 **LSIS/LIA at TREC 2012 Knowledge Base Acceleration**, Ludovic Bonnefoy, Vincent Bouvier and Patrice Bellot, TREC 2012.

**LIA at TAC KBP 2012 English Entity Linking track**, Ludovic Bonnefoy and Patrice Bellot, TAC 2012.

**Do Social Information Help Book Search?**, Ludovic Bonnefoy, Romain Deveaud and Patrice Bellot, CLEF 2012 Workshop of the INEX.

2011 **LIA-iSmart at the TREC 2011 Entity track : Entity List Completion Using Contextual Unsupervised Scores for Candidate Entities Ranking**, Ludovic Bonnefoy, Patrice Bellot, TREC 2011.

2010 **LIA-iSmart at TREC 2010 : An Unsupervised Web-based Approach for Filtering Answers**, Ludovic Bonnefoy, Patrice Bellot, Michel Benoit, TREC 2010.

### Teaching

Object-oriented Programming, Java, UML

Natural Language Processing, Information Retrieval

Student Projects: 4 groups

HTLM, PHP

C, C++

### Involvement in Scientific Life

#### Program Committee

RJCRI 2013, 2012

TALN 2011

RJCP 2011

#### Organizational Committee

EACL 2012

CORIA 2011

### Involvement in University and Laboratory Life

2012-now **Member of the Pedagogical Council of CERI, Avignon.**

Non-permanents representative

**Member of the Scientific Council of LIA, Avignon.**

Non-permanents representative

- 2011-now **President of NP-LIA.**  
 Association promoting research by supporting conferences held by the University of Avignon (EACL'12, CORIA'11, Majestic'09)
- 2011-2012 **Organiser of monthly LIA's nlp team meeting.**  
 One member presents a recent and interesting paper to the team to emulate discussions and collaborations
- Organiser of english discussion meeting.**  
 Once a week, participants watched a video and then discussed it to improve their english

## Awards

- 2013 Best paper at CORIA 2013
- 2010 Best student paper at Majestic 2009

## Languages

**French**, *as native language.*

**English**, *Bulats: C1 (89%).*

## Computer Skills

- Computer language Java, C++, Ruby, Php
- Computer language (Notion) Javascript, Css, Html, Ajax, Perl, Sql, Pl/Sql, XML, Xpath, Xquery, Xschema, Dtd, Corba, Jsp, Bash, Assembleur, Tcl-Tk, Lisp, Prolog
- Operating system Linux, Windows, Mac OS
- Data Bases (Notion) MySql, PostgreSQL
- Misc. Latex, UML, SVN, GIT

## Academic Work

- C++ Pascal compiler to the assembler language
- C Lisp interpreter
- Ruby Search engine on INEX corpora
- Java Public Key Infrastructure
- Ruby System that allows to query an ontology with requests in natural language, system co-developed with Romain Deveaud and gave a paper published in Majestic.