

Pascal Denis

PhD

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Employment

- 2012–present **Tenured Research Scientist (CR1), INRIA**, Lille, France.
Deputy-head of the MAGNET research group, a joint team between INRIA Lille–Nord Europe and University of Lille Computer Science department (CRISTAL), focused on research in Machine Learning and Natural Language Processing.
- 2008–2012 **Tenured Research Scientist (CR2, CR1), INRIA**, Paris, France.
Member of the ALPAGE Natural Language Processing research group at INRIA Paris and University Paris-Diderot. Promoted from Tenured Research Scientist 2nd class (CR2) to Tenured Research Scientist 1st class (CR1) in 2010.
- 2010 **Academic Visitor, University of Oxford**, Oxford, UK.
Temporary member of the Comlab's Computational Linguistics Group.
- 2007–2008 **Natural Language Scientist, Powerset Inc. (now Microsoft)**, San Francisco, USA.
Member of the Knowledge Resources team, in charge of the development of highly scalable software components for named-entity recognition and tracking, and of their integration in the Powerset Web search engine.
- 2000–2007 **Research & Teaching Assistant, The University of Texas at Austin**, Austin, USA.
Research and teaching in theoretical and computational linguistics.
- 2005 **Visiting Research Fellow, IMS**, Stuttgart, Germany.
Five month research stay at the Institut für Maschinelle Sprachverarbeitung (IMS), Universität Stuttgart, funded by German Academic Exchange Service (DAAD).

Education

- 2000–2007 **Ph.D. in Computational Linguistics, The University of Texas at Austin**, Austin, TX, USA.
○ Dissertation: *New Learning Models for Robust Reference Resolution*
○ Advisors: Jason Baldridge and Nicholas Asher
○ Committee: Laurence Danlos, Andrew Kehler, Jonas Kuhn, Raymond Mooney
○ GPA: 4.0/4.0
- 1999–2000 **M.A. in Artificial Intelligence, IRIT, Université Paul Sabatier**, Toulouse, France.
○ Advisors: Myriam Bras and Philippe Muller
- 1998–1999 **M.Sc. in Cognitive Science, University of Edinburgh**, UK.
○ Specialty: Natural Language Processing
○ Advisor: Alex Lascarides
- 1994–1998 **B.A. in Romance Philology, Université Libre de Bruxelles**, Brussels, Belgium.
○ Honors: *Magna cum laude*
- 1992–1996 **B.A. in Journalism and Communication Studies, Université Libre de Bruxelles**, Brussels, Belgium.
○ Honors: *Cum laude*

Honors and Awards

- 2013 **Best Paper Award**, *TALN 2013*, Les Sables-d'Olonne, France.
Award given to the author(s) of the best paper presented at the annual, French NLP conference
- 2007 **Best Student Paper Award**, *NAACL-HLT 2007*, Rochester, NY, USA.
Award given to the author(s) of the best paper written solely or primarily by a student appearing in the annual NAACL conference proceedings.
- 2005 **Homer Lindsey Bruce Fellowship**, *The University of Texas at Austin*, Austin, TX, USA.
Nine-month fellowship awarded in recognition of major achievements since entering Graduate School. Awarded only to the strongest applicants for the University of Texas Continuing University Fellowships.
- 2005 **Young Researcher Fellowship**, *German Academic Exchange Services (DAAD)*.
Five-month scholarship awarded to outstanding graduate and post-doctoral students for conducting study and/or research at a German university.

Research Grants and Projects

Ongoing projects

- 2016-2020 **Graph-based Machine Learning for Linguistic Structure Prediction (GRASP)**, *French National Research Agency (ANR), Jeunes Chercheuses/Jeunes Chercheurs (JCJC), France*, Budget: 250,000€.
Role: Principal Investigator
- 2011-2017 **Strategic Conversation (STAC)**, *European Research Council (ERC) Advanced Grant*, PI: Nicholas Asher, CNRS Toulouse.
Role: Project Member
- 2014-2017 **Structuring Discourse in Multilingual Europe (TextLink)**, *EU COST Action*, PIs: Liesbeth Degand, UCL and Bonnie Webber, University of Edinburgh.
Role: Project Member in the Tools Working Group
- 2011-2021 **Empirical Foundations of Linguistics (EFL)**, *Laboratoire d'Excellence (Labex)*.
Role: Associate Member

Past projects

- 2016 **Compositional Distributional Approaches to French Adjective-Noun Modification (COMDIS)**, *Projet Thématique d'Etablissement, Université Lille 3, France*, Budget: 3,000€.
Role: Co-Principal Investigator
- 2012-2015 **Analyzing Semantics with Frames: Annotation, Lexicon, Discourse and Automation (ASFALDA)**, *French National Research Agency (ANR), France*, PI: Marie Candito, Université Paris-Diderot.
Role: Project Member
- 2010-2012 **Dynamically Enriching Lexical Resources in Multilingual and Multimodal Applications (EdyLex)**, *French National Research Agency (ANR), France*, PI: Benoît Sagot, INRIA Paris.
Role: Project Member

- 2009-2011 **Large coverage probabilistic syntactic parsing of French (SEQUOIA)**, *French National Research Agency (ANR), France*, PI: Alexis Nasr, Université de la Méditerranée.
Role: Project Member
- 2006-2008 **Extracting and Using Discourse Structure to Resolve Anaphoric Dependencies: Combining Logico-Semantic and Statistical Approaches**, *Information and Intelligent Systems, National Science Foundation (NSF)*, PI: N. Asher, Co-PIs: J. Baldridge; J. Kuhn, The University of Texas at Austin.
Role: Research Assistant
- 2002-2003 **Linguistic Research on Text Interpretation**, *Morris Memorial Grant, New York Community Trust, USA*, PI: Carlota Smith, The University of Texas at Austin.
Role: Research Assistant

Development Grants and Projects

Ongoing projects

- 2016-2018 **Magnet Word Embedding Toolkit (Magneto)**, *Action de Développement Technologique (ADT), INRIA, France*.
Role: Project Leader

Past projects

- 2008-2009 **Semi-automatic and Collaborative Retrieval of Information Based on Ontologies (SCRIBO)**, *Pôle de compétitivité System@tic, France*, PI: Eric de la Clergerie, INRIA Paris.
Role: Project Member

Publications

Conference Articles

- 2017 Mathieu Dehouck and Pascal Denis. "Delexicalized Word Embeddings for Cross-lingual Dependency Parsing". In: *Proceedings of the European Association for Computational Linguistics (EACL)*. Valencia, Spain.
- Pascal Denis and Liva Ralaivola. "Online Learning of Task-specific Word Representations with a Joint Biconvex Passive-Aggressive Algorithm". In: *Proceedings of the European Association for Computational Linguistics (EACL)*. Valencia, Spain.
- 2016 Chloé Braud and Pascal Denis. "Learning Connective-Based Word Representations for Implicit Discourse Relation Classification." In: *Proceedings of Empirical Methods in Natural Language Processing (EMNLP 2016)*. Austin, Texas.
- 2015 Chloé Braud and Pascal Denis. "Comparing Word Representations for Implicit Discourse Relation Classification." In: *Proceedings of Empirical Methods in Natural Language Processing (EMNLP 2015)*. Lisbon, Portugal.
- Emmanuel Lassalle and Pascal Denis. "Joint Anaphoricity Detection and Coreference Resolution with Constrained Latent Structures". In: *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI 2015)*. Austin, Texas.

- 2014 Chloe Braud and Pascal Denis. "Combining Natural and Artificial Examples to Improve Implicit Discourse Relation Identification". In: *Proceedings of the 25th International Conference on Computational Linguistics (COLING 2014)*. Association for Computational Linguistics. Dublin, Ireland.
- David Chatel, Pascal Denis, and Marc Tommasi. "Fast Gaussian Pairwise Constrained Spectral Clustering". In: *Proceedings of the 7th European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases (ECML/PKDD 2014)*. Nancy, France.
- 2013 Chloé Braud and Pascal Denis. "Identification automatique des relations discursives "implicites" à partir de données annotées et de corpus bruts". In: *TALN - 20ème conférence du Traitement Automatique du Langage Naturel 2013*. Vol. 1. Sables d'Olonne, France, pp. 104–117.
- Emmanuel Lassalle and Pascal Denis. "Apprentissage d'une hiérarchie de modèles à paires spécialisés pour la résolution de la coréférence". In: *TALN 2013 - 20ème conférence du Traitement Automatique du Langage Naturel 2013*. Les Sables-d'Olonne, France.
- Emmanuel Lassalle and Pascal Denis. "Improving pairwise coreference models through feature space hierarchy learning". In: *ACL 2013 - Annual meeting of the Association for Computational Linguistics*. Association for Computational Linguistics. Sofia, Bulgaria.
- Antoine Venant et al. "Expressivity and comparison of models of discourse structure". In: *Special Interest Group on Discourse and Dialogue (SIGDIAL)*. Metz, France.
- 2012 Stergos Afantenos et al. "Developing a corpus of strategic conversation in The Settlers of Catan". In: *SeineDial 2012 - The 16th Workshop on the Semantics and Pragmatics of Dialogue*. Paris, France.
- Philippe Muller et al. "Constrained decoding for text-level discourse parsing". In: *COLING - 24th International Conference on Computational Linguistics*. Mumbai, India.
- 2011 André Bittar, Pascal Amsili, and Pascal Denis. "French TimeBank : un corpus de référence sur la temporalité en français". In: *TALN 2011 - Traitement Automatique des Langues Naturelles*. Vol. 1. Laboratoire d'Informatique de Robotique et de Microélectronique & Université de Montpellier 2. Montpellier, France, pp. 259–270.
- André Bittar et al. "French TimeBank: An ISO-TimeML Annotated Reference Corpus". In: *ACL 2011 - 49th Annual Meeting of the Association for Computational Linguistics*. Portland, Oregon, United States: Association for Computational Linguistics, pp. 130–134.
- Pascal Denis and Philippe Muller. "Predicting globally-coherent temporal structures from texts via endpoint inference and graph decomposition". In: *IJCAI-11 - International Joint Conference on Artificial Intelligence*. Barcelone, Spain.
- Enrique Henestroza Anguiano and Pascal Denis. "FreDist: Automatic construction of distributional thesauri for French". In: *TALN - 18ème conférence sur le traitement automatique des langues naturelles*. Montpellier, France, France, pp. 119–124.

- Emmanuel Lassalle and Pascal Denis. "Leveraging different meronym discovery methods for bridging resolution in French". In: *DAARC 2011 - 8th Discourse Anaphora and Anaphor Resolution Colloquium*. Ed. by A. Branco I. Hendrickx S. Lalitha Devi and R. Mitkov. Vol. 7099. Lecture Notes in Computer Science. Faro, Portugal: Springer, pp. 35–46.
- 2010 Stergos Afantenos et al. "Learning Recursive Segments for Discourse Parsing". In: *Language Resources and Evaluation*. Ed. by Nicoletta Calzolari (Conference Chair) et al. La Valette, Malta: European Language Resources Association (ELRA).
- Marie Candito, Benoît Crabbé, and Pascal Denis. "Statistical French dependency parsing: treebank conversion and first results". In: *Seventh International Conference on Language Resources and Evaluation - LREC 2010*. La Valette, Malta: European Language Resources Association (ELRA), pp. 1840–1847.
- Marie Candito et al. "Benchmarking of Statistical Dependency Parsers for French". In: *23rd International Conference on Computational Linguistics - COLING 2010*. 9 pages. Beijing, China: Coling 2010 Organizing Committee, pp. 108–116.
- Pascal Denis and Philippe Muller. "Comparison of different algebras for inducing the temporal structure of texts". In: *Proceedings of the 23rd International Conference on Computational Linguistics - Coling 2010*. Beijing, China, pp. 250–258.
- Pascal Denis and Benoît Sagot. "Exploitation d'une ressource lexicale pour la construction d'un étiqueteur morphosyntaxique état-de-l'art du français". In: *Traitement Automatique des Langues Naturelles : TALN 2010*. Montréal, Canada.
- 2009 Marie Candito et al. "Analyse syntaxique du français : des constituants aux dépendances". In: *16e Conférence sur le Traitement Automatique des Langues Naturelles - TALN 2009*. Senlis, France.
- Éric De La Clergerie et al. "Extracting and Visualizing Quotations from News Wires". In: *LTC 2009 - 4th Language and Technology Conference*. Ed. by Zygmunt Vetulani. Vol. 6562. Lecture Notes in Artificial Intelligence. Poznań, Poland: Springer, pp. 522–532.
- Pascal Denis and Benoît Sagot. "Coupling an annotated corpus and a morphosyntactic lexicon for state-of-the-art POS tagging with less human effort". In: *Pacific Asia Conference on Language, Information and Computation*. Hong Kong, China.
- 2008 Pascal Denis and Jason Baldridge. "Specialized Models and Ranking for Coreference Resolution". In: *Empirical Methods on Natural Language Processing*. Ed. by The Association for Computational Linguistics. Honolulu, Hawaiï, United States, pp. 660–669.
- 2007 Pascal Denis and Jason Baldridge. "A ranking approach to pronoun resolution". In: *International Joint Conferences on Artificial Intelligence*. Hyderabad, India.
- Pascal Denis and Jason Baldridge. "Joint determination of anaphoricity and coreference resolution using integer programming". In: *Human Language Technologies: The Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2007)*. Rochester, United States, pp. 236–243.

2006 Nicholas Asher, Pascal Denis, and Brian Reese. "Names and pops and discourse structure". In: *Workshop on Constraints in Discourse*. Maynooth, Ireland.

Nicholas Asher et al. "Evidentiality and intensionality: Two uses of reportative constructions in discourse". In: *Workshop on Constraints in Discourse Structure*. Maynooth, Ireland.

Pascal Denis and Jonas Kuhn. "Applying an LFG-parser for coreference resolution: Experiments and analysis". In: *International Lexical Functional Grammar Conference*. Constance, Germany.

2005 Nicholas Asher and Pascal Denis. "Lexical ambiguity as type disjunction". In: *International Workshop on Generative Approaches to the Lexicon*. Ed. by Pierrette Bouillon and Kyoko Kanzaki. Genève, Switzerland, pp. 10–17.

2003 Pascal Denis. "A fresh look at goal motion constructions". In: *Chicago Linguistics Society*. Chicago, United States.

Pascal Denis, Jonas Kuhn, and Stephen Wechsler. "V-PP goal motion complexes in English: an HPSG account". In: *Proceedings of the ACL-SIGSEM workshop: The Linguistic Dimensions of Prepositions and their Use in Computational Linguistics Formalisms and Applications*. Toulouse, France, pp. 121–132.

Pascal Denis and Philippe Muller. "A semantics for temporally dependent referring expressions". In: *Colloque de Syntaxe et Semantique a Paris*. Ed. by Olivier Bonami and Patricia Cabredo Hofherr. Paris, France, pp. 45–62.

Journal Articles

2014 Chloe Braud and Pascal Denis. "Identifier les relations discursives implicites en combinant données naturelles et données artificielles". In: *Traitement automatique des langues* 55.

2012 Pascal Denis and Benoît Sagot. "Coupling an annotated corpus and a lexicon for state-of-the-art POS tagging". In: *Language Resources and Evaluation* 46.4, pp. 721–736.

2009 Pascal Denis and Jason Baldridge. "Global joint models for coreference resolution and named entity classification". In: *Procesamiento del Lenguaje Natural* 42.

2005 Pascal Amsili, Pascal Denis, and Laurent Roussarie. "Anaphores abstraites en français: représentation formelle". In: *Traitement Automatique des Langues* 46.1, pp. 15–39.

2003 Laurent Prevot et al. "Une approche sémantique et rhétorique du dialogue. Un cas d'étude: l'explication d'itinéraires". In: *Traitement Automatique des Langues* 43.2, pp. 43–70.

2001 Joan Busquets and Pascal Denis. "L'ellipse modale en français: le cas de "pouvoir" et "devoir"". In: *Les Cahiers de Grammaire* 26, pp. 55–74.

Editorial Work

2006 Pascal Denis et al., eds. *Proceedings of the 2004 Texas Linguistics Society Conference: Issues at the Semantics-Pragmatics Interface*. Cascadilla Proceedings Project.

Invited Talks

- *STL Seminar*, Université Lille 3, France, February 2016
- *IMS Guest Lecture Series*, Universität Stuttgart, Germany, July 2015
- *LPL Seminar*, Université de Aix-Marseille, Aix-en-Provence May 2015
- *30 Minutes de Science*, INRIA Lille–Nord Europe, May 2015
- *Computational Linguistics Group Seminar*, University of Oxford, August 2011
- *Computational Linguistics Colloquium*, Universität Heidelberg, July 2009.
- *Talaris Seminar*, Loria, Nancy, May 2009
- *Alpage Seminar*, Université Paris 7, Paris, October 2008
- *Job talk*, Powerset Inc., San Francisco, CA, March 2007
- *Job talk*, Department of Linguistics, Indiana University, Bloomington, IN, February 2007
- *IMS Institutversammlung*, Universität Stuttgart, Germany, January 2006
- *Job talk*, Département de Linguistique, Université d'Ottawa, Canada, February 2006
- *Lattice Seminar*, Université Paris 7, Paris, June 2005.

Service

Conference Chairing and Senior PC Membership

- 2016 IJCAI Senior PC (Natural Language Processing)
- 2015 ACL Area Chair (Discourse, Coference, Pragmatics)

Conference Program Committee

- 2017 EACL
- 2016 ACL, CAp, EMNLP, NAACL
- 2015 CAp, EMNLP, IJCAI, NAACL
- 2014 ACL, COLING, EACL, EMNLP, Journée AFIA/ATALA: Langue, Apprentissage, et Fouille de Textes
- 2013 ACL, EACL, EMNLP, *SEM
- 2012 ACL, AAI, COLING, EACL, TALN, ATALA Workshop on Discourse and NLP
- 2011 ACL, CID, IJCAI, EMNLP, TALN
- 2010 COLING, EMNLP, ATALA Workshop on CRFs, ATALA Workshop on Corpus Annotation
- 2009 ACL, EMNLP, IEEE-ICSC, NAACL/HLT Workshop on Integer Linear Programming for NLP
- 2008 CILing, SuB, TLS XII
- 2007 ACL
- 2005 LSRL

Journal Reviewing

- Natural Language Engineering (NLE)
- ACM Transactions on Speech and Language Processing (TSLP)
- ACM Computing Surveys
- Traitement Automatique des Langues (TAL)

o Journal of Linguistics

o Discours

Conference & Workshop Organizing

- 2014-2016 **PC Co-Chair and Organizer**, *Polaris Colloquium Series*, Lille, France.
Monthly Guest Lecture series in Computer Science and Signal Processing, co-sponsored by INRIA Lille–Nord Europe and University of Lille CRISAL Lab
- 2016 **Organizer**, *Workshop on Argumentation Mining*, June 2016, MESHS, Lille, France.
- 2011 **Co-organizer**, *Constraints in Discourse (CID 2011)*, June 2011, Agay, France.
- 2010 **Co-organizer**, *TempEval-2: Evaluating Events, Time Expressions, and Temporal Relations*, July 2010, Uppsala, Sweden.
- 2004 **Co-chair**, *Texas Linguistic Society 8th Annual Conference (TLS VIII)*, May 2004, Austin, TX, USA.

Grant Proposal Reviewing

- 2016 Reviewer for Flanders Research Foundation (FWO, Belgium), Lead Agency Project Call
- 2016 External Expert for the Brussels Institute for Research and Innovation (Innoviris, Belgium)
- 2013 Reviewer for the French National Research Agency (ANR), Programme Blanc

Search Committees

- 2016 **Université Lille 3, CS Department**, Search for Assistant Professor in Data Science, May 2016.
External member
- 2012 **Centre National de la Recherche Scientifique (CNRS)**, Search for a Research Engineer Search in NLP, September 2012.
External expert
- 2012 **Université de Marseille, CS Department**, Search for Assistant Professor in Machine Learning/NLP, May 2012.
External member
- 2011 **Université de Marseille, CS Department**, Search for Assistant Professor in Machine Learning/NLP, May 2011.
External member
- 2004–2005 **University of Texas at Austin, Linguistics Department**, *Search for Assistant Professor in Computational Linguistics*, Fall 2004.
Student representative

PhD Defense Committees

- 2015 **Juliette Conrath**, Computer Science Department, Université Paul Sabatier (UPS), Toulouse, December 2015.
External examiner
- 2012 **Emili Sapena**, Computer Science Department, Universitat Politècnica De Catalunya (UPC), May 2012.
External examiner

Evaluation Committees

2016–2017 **Commission Emploi Recherche (CER)**, *INRIA Lille–Nord Europe*.
Committee Member

2015 **ATALA PhD Award Committee**, May 2015.
Committee Member

Memberships in Professional Organizations

- The Association for Computational Linguistics (ACL)
- ACL's Special Interest Group on Natural Language Learning (SIGNLL)
- ACL's Special Interest Group on Semantics (SIGSEM)
- ACL's Special Interest Group on the Lexicon (SIGLEX)
- The French Association for Natural Language Processing (ATALA)

Teaching Experience

Main Instructor

2014–2016 **Machine Learning and Decision Under Uncertainty**, *MOCAD Master Program*,
Université Lille 1, Graduate level.
Fall 2014, 2015 (30h)

2012–2014 **Information Extraction (Machine Learning)**, *MOCAD Master Program*, Univer-
sité Lille 1, Graduate level.
Fall 2012 (15h), Fall 2013 (24h)

2009–2012 **Natural Language Processing (Semantics)**, *Master Program in Computational
Linguistics*, Université Paris-Diderot, Graduate level.
Fall 2009 (12h), Fall 2010 (24h), Fall 2011 (24h)

2010 **Automated Reference Resolution**, *Journées de Sémantique et de Modélisation
(JSM)*, Loria, Nancy, Invited outreach lecture.
Fall 2010 (2h)

Teaching Assistant

2003 **Computational Linguistics I**, *The University of Texas at Austin*, Graduate level,
Instructor: Jonas Kuhn.
Spring 2013

2003 **Introduction to Cognitive Science**, *The University of Texas at Austin*, Undergrad-
uate level, Instructor: Carlota Smith.
Spring 2013

2002 **Introduction to Computational Linguistics**, *The University of Texas at Austin*,
Undergraduate level, Instructor: Bernard Schwarz.
Fall 2002

2000 **Language and the Internet**, *The University of Texas at Austin*, Undergraduate
level, Instructor: Rajesh Bhatt.
Fall 2000

Language Instructor

2001–2003 **Introductory and advanced French language classes**, *Summer School in French
Language and Literature*, Université Libre de Bruxelles.

Advising

PhD Supervision

- 2016–2019 **Thibault Liétard**, *Adaptive Graph Learning with Applications to Natural Language Processing (working title)*, Computer Science Graduate School, Université Lille 3.
Co-supervised with Aurélien Bellet and Rémi Gilleron
- 2015–2018 **Mathieu Dehouck**, *Graph-based Semi-supervised Multilingual Dependency Parsing (working title)*, Computer Science Graduate School, Université Lille 3.
Co-supervised with Marc Tommasi
- 2012–2016 **David Chatel**, *Semi-supervised spectral clustering (working title)*, Computer Science Graduate School, Université Lille 3, To be defended in December 2016.
Co-supervised with Marc Tommasi
- 2012–2015 **Chloé Braud**, *Identification automatique des relations discursives implicites à partir de corpus annotés et de données brutes*, Linguistics Graduate School, Université Paris-Diderot, Defended on 12/18/2015; **2016 Best PhD Thesis Award, ATALA**.
Co-supervised with Laurence Danlos
- 2011–2015 **Emmanuel Lassalle**, *Structured learning for coreference resolution: a joint approach*, Computer Science Graduate School, Université Paris-Diderot, Defended on 05/11/2015.
Co-supervised with Laurence Danlos
- 2008–2010 **André Bittar**, *Building a TimeBank for French: A Reference Corpus Annotated According to the ISO-TimeML Standard*, Linguistics Graduate School, Université Paris-Diderot, Defended on 11/19/2010.
Co-supervised with Laurence Danlos and Pascal Amsili

Master Thesis Supervision

- 2016 **Thibault Liétard**, *Metric Learning for Graph-based Coreference Resolution*, ENS Rennes, (Co-supervised with A. Bellet).
- 2015 **Mathieu Dehouck**, *Graph-based semi-supervised dependency parsing*, MOCAD Master Program, Université Lille 1.
- 2011 **Chloé Braud**, *Implicit discourse relation identification*, Master Program in Computational Linguistics, Université Paris-Diderot.
- 2010 **Emmanuel Lassalle**, *Meronymic relation extraction for bridging resolution*, Master Program in Computational Linguistics, Université Paris-Diderot.

Engineer Supervision

- 2016-2018 **Nathalie Wauquier**, INRIA Lille–Nord Europe.
Project: Magnet Word Embedding Toolkit (Magneto)

Internship Supervision

- 2011 **Altat Rahman**, University of Texas at Dallas, USA, June-August 2011.
Worked at consolidating the CoRTex Python library.
- 2009 **Alexis Vanacker**, Ecole des Mines de Nancy, June-August 2009.
Worked at adapting the phrasedetective.org annotation tool to French.

Open Source Software Development

CoRTex, *Coreference Resolution Toolkit*, Python library for coreference resolution, <http://cortex.gforge.inria.fr/>.

Original author and main developer

MELT, *Maximum-Entropy Lexicon-Enriched Tagger*, <http://lingwb.gforge.inria.fr/>, High precision lexically-enriched, discriminative POS tagger for French..

Co-developped with B. Sagot

POLKA, *Python Online Learning toolKit for lAnguage*, Python library for online learning, <http://polka.gforge.inria.fr/>.

Original author and main developer

SAPIENS, *Newswire Quotation Extractor & Navigator*, <http://passage.inria.fr/SAPIENS/>.

Developper of the anaphora resolution module

References

Available on request.