

# Germán David Kruszewski Martel

Center for Mind and Brain Sciences

University of Trento

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## EDUCATION

**Center for Mind and Brain Sciences,  
University of Trento, Italy**

**November 2012 - Present**

*PhD Student in Language, Interaction and Computation*

- Advisor: Prof. Marco Baroni (University of Trento, Italy)
- Thesis topics: distributional semantics, semantic relations, entailment

**Universidad de Buenos Aires (UBA),  
Buenos Aires, Argentina**

**March 2003 - July 2011**

*Licenciado en Ciencias de la Computación* (Equiv. to MSc. in Computer Science)

- Thesis Title: Choice Based Revenue Management in hotel industry.
- Advisors: Prof. Gustavo Vulcano (New York University, USA) - Prof. Paula Zabala (UBA, Argentina)
- Thesis topics: revenue management, choice models, capacity control.

*Analista Universitario en Computación* (Equiv. to BSc. in Computer Science)

## SKILLS AND QUALIFICATIONS

**Language skills:** English fluent. Italian fluent. French conversational. Spanish native speaker.

**Computer programming skills:** Proficient in a large number of programming languages, frameworks and systems (e.g. C, C++, Java, Python, Lua, Web, etc.).

## PUBLICATIONS

D. Paperno, G. Kruszewski, A. Lazaridou, Q. Pham, R. Bernardi, S. Pezzelle, M. Baroni, G. Boleda and R. Fernandez. “*The LAMBADA dataset: Word prediction requiring a broad discourse context*”. Proceedings of ACL 2016 (to appear).

G. Kruszewski, D. Paperno, R. Bernardi and M. Baroni. “*There is no logical negation here, but there are alternatives: modeling conversational negation with distributional semantics*”. Computational Linguistics (to appear).

G. Kruszewski, D. Paperno and M. Baroni. “*Deriving Boolean Structures from distributional vectors*”. Transactions of the Association for Computational Linguistics 3.

N. Pham, G. Kruszewski, A. Lazaridou and M. Baroni “*Jointly optimizing word representations for lexical and sentential tasks with the C-PHRASE model*”. Proceedings of ACL 2015.

G. Kruszewski and M. Baroni “*So similar and yet incompatible: Toward automated identification of semantically compatible words*”. Proceedings of NAACL HLT 2015.

G. Kruszewski and M. Baroni “*Dead parrots make bad pets: Exploring modifier effects in noun phrases*”. Proceedings of \*SEM 2014.

M. Baroni, G. Dinu, G. Kruszewski, “*Don’t count, predict! A systematic comparison of context-counting vs. context-predicting semantic vectors*”. Proceedings of ACL 2014.

G. Kruszewski, M. Baroni, “*Dead parrots make bad pets: Exploring modifier effects in noun phrases*”. Proceedings of \*SEM 2014.

Claire Gardent and German Kruszewski, “*Generation for Grammar Engineering*”. INLG 2012.

Laura Perez-Beltrachini, Claire Gardent and German Kruszewski. *Generating Grammar Exercises*. 7th Workshop on Innovative Use of NLP for Building Educational Applications, NAACL-HLT Workshop 2012.

Downey, Allen\*; Delle Donne, Diego†; Kruszewski, Germán†; Laborda, Francisco†; Llosa, Maximiliano† ; Pimás, Javier†. *Pensando la computación como un científico* (book). Editorial Universidad Nacional de General Sarmiento. [\*Author, †Translation and adaptation to Spanish (Argentina)]

ACADEMIC  
EXPERIENCE

**Intern - Facebook AI Research** **May 2016 to August 2016**  
Research intern under the direction of Tomas Mikolov

**Intern - IBM Watson**  
**Concept Expansion team** **June 2015 to August 2015**  
Research on Distributional Semantic Representations applied to Concept Expansion

**Research Engineer - INRIA**  
**TALARIS team** **September 2011 to September 2012**  
Tools developer for Natural Language Generation applications

**T.A./Researcher - Univ. Nac. Gr. Sarmiento** **July 2009 to August 2011**  
Research area: applied mathematics, optimization, integer linear programming  
Assisted: “Algorithms and Data Structures I”

PROFESSIONAL  
EXPERIENCE

**Freelance developer** **October 2008 to August 2011**  
Independent freelance web applications developer

**XV-Tech** **August 2006 to September 2008**  
C++ programming developing database and user interface for a video server’s client.

**Cyberferia** **March 2005 to July 2006**  
Web applications programming in PHP and ASP.NET

**Pixelia** **February 2004 to September 2004**  
Web applications programming in PHP and ASP

**Empresa de Sistemas de Domingo Morales** **July 2003 to November 2003**  
Visual Basic.NET programming

VOLUNTEER

**“En La Tecla” - computer literacy group** **March 2007 to September 2011**  
Material developer, teaching assistant and organizer in a computer basics course for people with low economical resources sponsored by FCEyN-UBA . Co-director of the project during 2009.