

# IGNACIO J. IACOBACCI

Born: December 4, 1981

Via Clelia 53 Roma, Lazio 00181, Italy

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## RESEARCH

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**Computer Science Department, Sapienza University of Rome**

*May 2014 - Present*

PhD Student / Research Fellow

Advisor: PhD. Roberto Navigli

<http://lcl.uniroma1.it>

**Faculty of Exact and Natural Sciences, University of Buenos Aires**

*2013*

Member of GALLI (Automata, Language, Linguistics and Information group)

Advisor: PhD. José Castaño

<http://chomsky.exp.dc.uba.ar>

**Linguistic Institute, Faculty of Letters and Philosophy, University of Buenos Aires** *2011*

Member of Research Group:

Research Topic: Unsupervised algorithms for automatic learning of a formal grammar for Spanish through statistical techniques of induction of syntactic structures

Spanish Topic: Algoritmos no supervisados para aprendizaje automático de una gramática formal del español mediante técnicas estadísticas de inducción de estructuras sintácticas

Advisor: PhD. Fernando Balbachean

<http://il.institutos.filo.uba.ar/proyecto/algoritmos-no-supervisados-para-aprendizaje-automático-de-una-gramática-formal-del-español->

## PROFESSIONAL EXPERIENCE

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**Flowics / Zauber (1st Latin-American Twitter Official Partner)** April 2012 - April 2014

*Machine Learning Engineer*

- Software developer for Social Network monitoring.
- Machine Learning, Natural Language Processing and Data Mining.
- Tools used: Apache Mahout, Apache Lucene, Elasticsearch, ANTLR, Apache Hadoop, Storm, Python's NLKT, Freeling, Carrot2, Yago
- <http://www.zauberlabs.com/>

**Keepcon**

July 2010 - March 2012

*R+D Developer*

- Software developer for content moderation and classification
- Machine Learning, Data Mining and Content Tagging. Project Management.
- Tools used: MACHine Learning for LanguagE Toolkit (Mallet), Freeling, SVMLight. Dolphin Smalltalk
- <http://www.keepcon.com/>

**Cubika / Globallogic**

October 2009 - July 2010

*Java Developer*

- Java Web development of applications for third party customers
- Tools used: J2EE 5.0, JSP, Spring, Hibernate, Oracle, Apache Tomcat, Junit4, Apache Axis

**Cencosud Argentina**

February 2007 - October 2009

*Java Developer*

- Java Web development of internal applications
- Tools used: J2EE 5.0, JSP, Servlets, Microsoft SQL Server, Stored Procedures, Apache Tomcat, SOAP

**Sistemas Bejerman**

August 2005 - February 2007

*ASP Web Developer*

- Web development of internal applications
- Tools used: ASP, Visual Basic 6, ADO, HTML, JavaScript, AJAX, ASP.Net, Visual Basic.Net, ADO.Net

**NCR Argentina**

January 2004 - August 2005

*Bilingual Service Coordinator*

- Coordination assignate work orders for technicians across their respectives countries.
- I was assigned to coordinate Peru, Dominican Republic and Puerto Rico.

**PUBLICATIONS**

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*SenseEmbed: Learning Sense Embeddings for Word And Relational Similarity*, Ignacio Iacobacci, Mohammad Taher Pilehvar and Roberto Navigli, ACL-IJCNLP 2015

*Negated Findings Detection in Radiology Reports in Spanish: an Adaptation of NegEx to Spanish*, Vanesa Stricker, Ignacio Iacobacci and Viviana Cotik, Workshop on Replicability and Reproducibility in Natural Language Processing: adaptive methods, resources and software at IJCAI 2015

**EDUCATION**

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**Faculty of Exact and Naturals Sciences, University of Buenos Aires**

2003 - 2012

M.Sc. in Computer Science

Master's thesis: Neural Networks for Optimization: The Linear Ordering Problem

Spanish title: Redes Neuronales aplicadas a optimización: El Linear Ordering Problem

Thesis valuation: 10/10

Advisor: PhD. Enrique C. Segura

**Faculty of Exact and Naturals Sciences, University of Buenos Aires**

2001 - 2002

M.Sc. in Mathematics (incomplete)

**Colegio Pio IX, City of Buenos Aires, Argentina**

2000

Electronic technician, (Bachelor in Electronics)

## TEACHING

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**The Faculty of Information Engineering, Informatics and Statistics, Sapienza University of Rome** Oct 2015 - Present

*Teaching assistant*

- Computer Architecture
- Programming Methodologies

**Computer Science Department, Sapienza University of Rome** Apr 2015 - Jun 2015

*Thesis assistant*

- Advisor: Daniele Vanella  
Laurea Triennale Candidate Fabio Prisca

**Faculty of Exact and Natural Sciences, University of Buenos Aires** July 2014 - Dec 2015

*Advisor assistant*

- Advisor: Viviana Cotik  
Proposed Thesis: Negation Detection Over Medical Texts  
Spanish title: Detección De Negación En Textos Médicos  
M.Sc. in Computer Sciences Candidate: Vanesa Stricker

**Faculty of Exact and Natural Sciences, University of Buenos Aires** 2006 - 2007

*Teaching assistant*

- Computer Organization II (Assembler x86, MMX, IA64)
- Software Engineering I (Requirements engineering, UML, Design, OOP)
- Introduction to Computing (C++)

## AWARDS

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**Attendee on Google NLP PhD Summit** Sep 2015

**Special Mention** 1996  
XIII Argentine Mathematical Olympiad

## LANGUAGES

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<b>Spanish</b>	Native
<b>English</b>	Fluent
<b>Italian</b>	Fluent
<b>Portuguese</b>	Basic
<b>German</b>	Basic