César Sabater - Currículum Vítae

Address	57 rue Faidherbe, Lille (59800), France	**Mobile Phone**	+33 (0)6 10 22 87 06
Date of Birth	1st August 1989	**Email**	cesar.sabater@inria.fr
Nationality	Argentina		

Education

January 2019 - present **Ph.D. in Computer Science**
Institution: INRIA Lille - Nord Europe
Topic: "Privacy preserving machine learning"
Supervisor: Jan Ramon
Research Team: MAGNET

March 2008 - April 2017 **"Licenciado" en Degree in Computer Science (Equivalent to a Master degree in France** [1]**)**
Qualification: Licenciado en Ciencias de la Computación
The academic program of this degree is composed of: 1) 5 years of lectures
2) an internship of at least 4 months of duration 3) a research thesis from 9 to 12 months of duration
University: Universidad Nacional de Rosario (National University of Rosario)
Academic Average: 9.47 over 10 (top 5% of the class)
Graduation Thesis: Semi-Automatic Generation of Adaptive Codes
Developed in CAMUS (at INRIA) and ICPS (at University of Strasbourg) research teams.
Thesis Advisor: Cédric Bastoul, University of Strasbourg
Thesis Co-Advisor: Guillermo Luis Grinblat, University of Rosario.

Jan-March 2012 **Summer Scolarship at IMPA (National Institute of Pure and Applied Mathematics)**
Rio de Janeiro, Brazil
Course: Extremal And Probabilistic Combinatorics, Master Level
Grade: A-
Professor: Robert D. Morris, IMPA.
Remunerated by IMPA

2002-2007 **Secondary School - Instituto Politécnico Superior "General San Martín"**

Rosario, Santa Fe, Argentina

Research and Industry Experience

Jan - Dec 2018 **Research Engineer Position in Computer Science**
Institution: INRIA Lille - Nord Europe
Topic: "Privacy-friendly distributed Machine Learning"
Supervisors: Jan Ramon
Research Team: MAGNET

2014 **Research Internship at INRIA and University of Strasbourg (as part of my degree thesis)**
Project: "Mixing Compiler Optimization and Numerical Analysis for Performance and Productivity"
Research Teams Involved: CAMUS (Compilation for Multicore Architectures) at
Inria (French National Institute for Research in Computer Science and Automation)
and ICPS (Parallel and Scientific Computing)
University: University of Strasbourg, Alsace, France
Internship Supervisor: Cédric Bastoul, University of Strasbourg.
Economic Support: by the Inria Internships Program

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[1]Après le CV, une convention d'équivalences de dégrée est ajouté a cette document. La convention est signée par les autorités Françaises et Argentines pertinentes et la partie concernant a mon cas est la section 2.5. Cette document est aussi en ligne: `https://ar.ambafrance.org/Signature-de-l-accord-franco`.

2012 - 2013	**Research Internship at CIFASIS-CONICET**
	Project: "Automatic and Metadata Extraction and Easy Submission Workflow of Publications for Open Access academic Repositories"
	Institution: CIFASIS-CONICET (International French-Argentine Center of Information Sciences and Systems)
	Supervisor: Ana Casali, Head of the Computer Science Department, Universidad Nacional de Rosario.
	Economic Support: Argentine Agency ANPCYT
	(National Agency of Scientific and Technological Development)
2011	**ITX Corp.**
	Member and co-founder of an independent Argentinian team of freelance developers that worked in assignments of ITX Corp., NY, USA
	Main Tasks: Development of front-end Mobile Websites
2010 - 2011	**National University of Rosario, Government Headquarters**
	Developer in Education Technologies and Administration Secretariat
	Main Tasks: Develop of back-end and front-end extensions of online courses platforms.

Awards and Participation in National and International Competitions

2009	**ACM — International Collegiate Programming Contest, Regionals**
	International Contest: Region of Latin América
	University: Universidad de Buenos Aires (University of Buenos Aires), Buenos Aires, Argentina
2009	**Santa Fe State Contest on Competitive Programming (State Contest)**
	Award: 3rd Position, Bronze Medal
	University: Universidad del Litoral
2006	**Olimpiada Informática Argentina (Argentinian Olympiad in Informatics)**
	National Selection Contest for IOI (International Olympiad in Informatics)
	Position: 5th position
	1st substitute of the Argentinian team for the IOI (International Olympiad in Informatics) that took place in Yucatan, México.
	University: Universidad de Buenos Aires (University of Buenos Aires)
2006	**Olimpiada Informática Argentina (Argentinian Olympiad in Informatics)**
	National Contest
	Award: 3rd position, Bronze Medal
	University: Universidad de Buenos Aires (University of Buenos Aires)
2004	**Olimpiada Informática Argentina (Arntinian Olympiad in Informatics)**
	National Contest
	Position: 5th position
	University: Universidad de Buenos Aires (University of Buenos Aires)

Publications

1. Maxime Schmitt, César Sabater, and Cédric Bastoul. Semi-automatic generation of adaptive code. In *IMPACT, Seventh International Workshop on Polyhedral Compilation Techniques*, 2017

2. Cédric Bastoul and César Sabater. Automatic generation of adaptive simulation codes. In *SimRace, Conference on Numerical Methods and High Performance Computing for Industrial Fluid Flows*, 2015

3. Ana Casali, Claudia Deco, Cristina Bender, Santiago Fontanarrosa, and César Sabater. Asistente para el depósito de objetos en repositorios con extracción automática de metadatos. In *XV Simposio Internacional de Tecnologías de la Información y las Comunicaciones en la Educación SINTICE*, pages 133−136, 2013

References

- Prof. Jan Ramon, Permanent Researcher in MAGNET team at *INRIA-Lille V*illeneuve d'Ascq, France
  phone: +33 (0)3 59 35 87 12
  email: jan.ramon@inria.fr
  website: http://researchers.lille.inria.fr/jramon/

- Prof. Marc Tommasi, Head of the MAGNET team at *INRIA-Lille V*illeneuve d'Ascq, France
  phone: +33 (0)3 59 35 87 23
  email: marc.tommasi@inria.fr
  website: http://researchers.lille.inria.fr/tommasi/

- Prof. Cédric Bastoul, Head of the Computer Science Department at *University of Strasbourg*, Strasbourg, France
  phone: (+33/0) 3 68 85 02 42
  email: cedric.bastoul@unistra.fr
  website: http://icps.u-strasbg.fr/people/bastoul/public_html/

- Dr. Pablo M. Granitto, Head of CIFASIS *(French-Argentine International Center of Information and System Sciences)* at *National University of Rosario* (UNR) and CONICET *(Argentine National Scientific and Technical Research Council)*, Rosario, Argentina.
  phone.: (+54 341) 4815569, 4237248 ext. 324
  email: granitto@cifasis-conicet.gob.ar
  website: http://www.cifasis-conicet.gov.ar/granitto/

- **Prof. Guillermo Luis Grinblat:** Associate researcher at CIFASIS *(French-Argentine International Center of Information and System Sciences)* at *National University of Rosario* (UNR) and CONICET *(Argentine National Scientific and Technical Research Council)*, Rosario, Argentina.
  email: grinblat@cifasis-conicet.gov.ar

- **Dr. Ana Casali:** Head of the Computer Science Department in National University of Rosario (UNR)
  email: acasali@fceia.unr.edu.ar

Other Summer Courses in Computer Science

Feb 2010 17ma **Escuela de verano en Ciencias Informáticas. (17th Summer School of Computer Science)**
Universidad Nacional de Río Cuarto (National University of Río Cuarto), Río Cuarto, Argentina

Course I: Program Verification Using Separation Logic
Professor: Dino Distefano, (Queen Mary University, London)

Course II: Formal foundations of Heterogeneous Algebraic Specifications
Professor: Carlos Lopez Pombo (University of Buenos Aires)

Programming skills

Advanced Knowledge in C, C++, STL, Analysis and Algorithm Design, and Data Structures. Advanced Knowledge in Java, PHP and Python. Advanced Knowledge Functional Programming in Haskell and OCaml.

Languages

Spanish   Native Speaker.

English   Advanced writing and reading levels. Fluency to speak and listen.

French   Basic writing, reading, oral comprehension and speaking levels.