

CURRICULUM VITAE

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Nationality: Argentine
Date of Birth: 16th December 1974
Marital Status: Single (no children)

Education / Qualifications:

1999 – 2004 Licentiate in Computing Sciences, at the Faculty of Exact Sciences Engineering and Surveying – National University of Rosario. Average: 8.9.
1992 - 1998 Bachelor in Engineering Sciences, at the Faculty of Exact Sciences Engineering and Surveying – National University of Rosario. Partial average: 7.7
1992 - 1993 Superior Technician in Computing, at “Superior Polytechnic Institute General San Martín” College.
1988 - 1992 High School Degree with a Specialization in Electronics, at “Superior Polytechnic Institute General San Martín” High School.

Teaching Experience:

2000 - 2005 Teaching assistant of Introduction to Informatics, Programming Languages Analysis I and II, Data Structures and Algorithms, and Computer Architecture in the Licenciateship in Computer Science at the Faculty of Exact Sciences, Engineering and Surveying – National University of Rosario.

Professional Experience:

2000 - 2001 Head of Technology Department at “SolucionesPuntoCom” (web software development company). Tasks accomplished: technological assessment, solutions design, quality control, production process control, team leadership.

1996 - 2000

Head of Technical Department at "Citynet - Ciudad Internet" (Internet Service Provider). Tasks accomplished: installation, configuration and maintenance of company and third parties' servers, routers, switches, and remote access equipment; work team coordination, technological assessment, networking solutions and implementation, customer service.

Academic Activities

Member of the curricular update committee for the Licenciateship in Computing Science. National University of Rosario.

Research:

Thesis for the Licenciateship in Computing Science. Title: *Generic Accumulations for Program Calculation*. Thesis Supervisor: Alberto Pardo (Universidad de la República, Montevideo, Uruguay)

Internships:

INRIA, Lorraine. MOSEL Group. *Verification of the Disk Paxos consensus algorithm*. March-May 2005

Lectures:

Efficient Self-Interpretation in Lambda Calculus. Talk based on the paper by the same name by Torben Æ Mogensen. National University of Rosario. April 2003.

Quickcheck, Random Testing in Haskell. Talk delivered within an Advanced Functional Programming course. National University of Rosario. June 2003.

More Flexible Accumulations. Talk delivered in the context of IX Seminar of Informatics and Operations Research. Universidad de la República, Montevideo, Uruguay. November 2004.

Generic Accumulations. Talk delivered in the context of the 10th Estonian Winter School in Computer Science. Palmse, Estonia, February 2005.

Courses attended with evaluation

**XI Summer School of Informatics.
National University of Río Cuarto. February 2004.**

From Philosophy to Program Length. Dr. Gregory Chaitin.
Length: 12.5 hs. Exam Mark: 10/10.

Computational Applications of Assisted Theorem Proving Using Coq. Dr. Nora Szasz, Carlos Luna.
Length: 12.5 hs. Exam Mark: 10/10.

**International Winter School of Semantics and Applications.
Montevideo, Uruguay. June 2003.**

Type systems. Dr. Peter Dybjer.
Length: 8 hs. Exam Mark: 8/10.

Language-based security. Dr. Andrei Sabelfeld.
Length: 6 hs. Exam Mark: passed (no numerical mark was given).

**X Summer School of Informatics.
National University of Río Cuarto. February 2003.**

Sequential and Concurrent Program Verification. Dr. Leonor Prensa.
Length: 12.5 hs. Exam Mark: 10/10.

Courses attended without evaluation

**10th Estonian Winter School in Computer Science.
Palmse, Estonia. February 2005.**

A Vade Mecum to Continuations. Olivier Danvy.

Implementing Algorithms. Kurt Mehlhorn.

Universal Methods for Derandomization. Peter Bro Miltersen

Topics in Language-Based Security. Greg Morrisett.

Privacy-Preserving Data Mining. Benny Pinkas.

**International Winter School of Semantics and
Applications.
Montevideo, Uruguay. June 2003.**

Computational semantics. Dr. Marcelo Fiore.
Length: 8 hs.

Abstract interpretation and static analysis: Dr. David Schmidt.
Length: 8hs.

Modal and temporal logics: Dr. Colin Stirling.
Length: 8hs.

Mobility: Davide Sangiorgi.
Length: 6hs.

Formal verification techniques for JavaCard: Gilles Barthe.
Length: 6hs.

Cryptographic protocols: Joshua Guttman (Mitre)
Length: 6hs.

Papers that I refereed

ESOP 2005.

Scientific Meetings

LATIN 2004, JCC 2004, JIIO 2004, JAIIO 2003, JCC 2003, JCC 2002.

Scholarships

Financial assistance granted by the organizers of the *International Winter School of Semantics and Applications* to attend this event. Montevideo, Uruguay. June 2003.

Languages

I have a proficient command of the English language.
TOEFL Exam (297/300)

Other Interests:

I enjoy watching cult and arthouse films, reading fiction and travelling.

References:

Dr. Alberto Pardo. Associate Professor at Computing Science Department (InCo) of the Engineering School, Universidad de la República, Montevideo, Uruguay and a member of the Formal Methods Group. E-mail: pardo@fing.edu.uy

Guido Macchi, Associate Professor at Computing Science Department of the Faculty of Exact Sciences, Engineering and Surveying – National University of Rosario. E-mail: guido@fceia.unr.edu.ar

Ms. Pablo E. Martínez López, teacher and researcher at LIFIA, National University of La Plata. E-mail: fidel@sol.info.unlp.edu.ar

Dr. Raúl Kantor. Head of Computer Science Department of the Faculty of Exact Sciences, Engineering and Surveying – National University of Rosario. E-mail: kantor@fceia.unr.edu.ar.

Examinations

Licentiate in
Computing Science.
National University of
Rosario

Algebra and Analytic Geometry I	9
Mathematical Analysis	9
Introduction to Informatics	8
Algebra and Analytic Geometry II	9
Mathematical Analysis II	9
Programming Language Analysis I	9
Mathematical Analysis III	9
Linear Algebra	9
Logic and Algorithms	10
Discrete Mathematics	9
Computer Architecture	7
Numerical Analysis	5
Probability and Statistics	8
Data Structures and Algorithms	9
Operating Systems	10

Programming Language Analysis II	9
Physics I	9
Mathematical Analysis IV	9
System Analysis	7
Communications Systems	10
Physics II	7
Operations Research	9
Software Engineering	8
Database Theory	10
Advanced Functional Programming	10
Introduction to Philosophy of Science	10
Internship	10
Introduction to Artificial Intelligence	10
Compilers	10
Graduate Thesis	10