

# Curriculum Vitae

Valeria S.Bengolea

## 1 Personal Info

- **Name:** Valeria Susana Bengolea.
- **Date of Birth:** November 19<sup>th</sup> of 1979.
- **Nationality:** Argentina.
- **E-Mail:** vbengolea@dc.exa.unrc.edu.ar.

## 2 Education

- Analista en Computación (Computing Analyst). *Universidad Nacional de Río Cuarto, Córdoba, Argentina*, 1999-2003. Average Score: 8.94.
- Licenciatura en Ciencias de la Computación (Licenciature in Computer Science). *Universidad Nacional de Río Cuarto, Córdoba, Argentina*, 1999-2008. Average Score: 9.07.

## 3 Teaching Experiences

- Student Teacher Assistant (*Ad-Honorem*) at Department of Computer Science, Universidad Nacional de Río Cuarto, Argentina, from April 2001 to June 2002 in the course “*Introduction to Algorithms and Programming*”.
- Student Teacher Assistant at Department of Computer Science, Universidad Nacional de Río Cuarto, Argentina, from July 2002 to July 2004 in the courses: “*Algorithms and Data Structures*”, “*Design of Algorithms*”, “*Systems Analysis and Design*” y “*Languages Analysis*”
- Teacher Assistant at Department of Computer Science, Universidad Nacional de Río Cuarto, Argentina, from April 2009 in the courses: “*Software Engineering*”, “*Systems Analysis and Design*” y “*Software Design (Compilers)*”

- Teacher Assistant at Department of Computer Science, Universidad Nacional de Río Cuarto, Argentina, from August 2004 to January 2006 in the courses: “*Design of Algorithms*”, “*Computer Architectures*” y “*Introduction to Algorithms and Programming*”

## 4 Assistance to Conferences

- *Congreso Nacional de Estudiantes de Informática (Student Conference of Informatic)*, Universidad Nacional del Litoral, Santa Fé, Argentina, 2001
- *Summer School of Computer Sciences (Rio 2001)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2001. **Course: “5 Problems and 5 Solutions of Security”, Instructor: Lic. Maximiliano Cristia.**
- *Summer School of Computer Sciences (Rio 2002)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2002. **Course: “Java Programming”, Instructor Dr. Juan Alvarez Rubio.**
- *Summer School of Computer Sciences (Rio 2003)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2003. **Course: “Integration of formal methods in the processes of software development”. Instructor: Dra. Claudia Pons.**
- *Summer School of Computer Sciences (Rio 2005)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2005. **Course: “Proving theorems with Isabelle/HOL”, Instructor: Dra. Leonor Prensa.**
- *Summer School of Computer Sciences (Rio 2011)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2011. **Course: “Automated Test Generation and Repair”, Instructor Dr. Darko Marinov**
- *Summer School of Computer Sciences (Rio 2011)*, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2011. **Course: “Automatic Analysis of Programs: From theory to Practice”, Instructors Dr. Diego Garbervetsky, Lic. Guido de Caso**

## 5 Courses

- “**Practical Applications of Automatic theorems proving using COQ**”, Summer School of Computer Sciences (Rio 2004), profesor Dra. Nora Szasz, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2004. Score: 8/10.
- “**Introduction to Category theory**”, Universidad Nacional de Río Cuarto, Córdoba, Argentina, 2010. Score: 10/10.

- **“Probabilistic Model Checking”**(taking last classes currently) Universidad Nacional de Córdoba, FAMAF, 2011.

## 6 Seminars

- **How to do things with Logic.** Instructor: Dr. Javier Blanco, Department of Computer Science and Department of Mathematics, Universidad Nacional de Río Cuarto, 2009.
- **Theoretical review of technology.** Instructor: Dr. Javier Blanco, Universidad Nacional de Río Cuarto, 2009

## 7 Internships

- Government of Río Cuarto City, Health and Social Department. Software development for Medical history management, 2004.

## 8 Scholarships

- **Phd Scholarship CONICET (Argentina’s National Research Council):** from April 2009 to April 2012.  
**Supervisor:** Dr. Nazareno M. Aguirre, Universidad Nacional de Río Cuarto.  
**Co-Supervisor:** Dr. Marcelo Frias, Buenos Aires Institute of Technology (ITBA).

## 9 Awards

- Córdoba’s Student Award to the best Average Score of the Career “Licenciatura en Ciencias de la Computación (Licenciature in Computer Science)”, 2006.

## 10 Language Skills

- Spanish (as native language).
- English  
*School: Hamilton-Wentworth, District School Board (Community and Continuing Education Program), Hamilton, Ontario, Canada, from February 2006 to December 2007. Toefl: 83/120.*

## 11 Publications

- *Incorporating Coverage Criteria in Bounded Exhaustive Black Box Test Generation of Structural Inputs.*  
**Autors:** Nazareno M. Aguirre, Valeria S. Bengolea, Marcelo F. Frias, Juan P. Galeotti.  
**Journal:** Lecture Notes in Computer Science.  
**Editorial:** Springer  
**Date:** 2011

## 12 Informal Talks

- **Actividad:** Speaker at the *First Conference of Computer Sciences Phd Student of FAMAF*, Universidad Nacional de Córdoba, Córdoba, Argentina, 2010.
- **Actividad:** Speaker at the *VIII Conference of Computer Sciences*, Universidad Nacional de Rosario, Rosario, Santa Fé, Argentina, 2010.
- **Actividad:** Speaker for High School Internships, Universidad Nacional de Río Cuarto, Córdoba, Argentina. Project: “Introduction to Computer Sciences”, 2010.