

Eloy Adonis Colell

*Licentiate degree in
Information Systems*

San Nicolás 2310, Pergamino

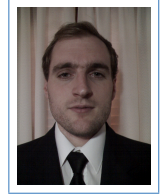
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📄 ecolell.github.io

32 years old



Academic Formation

- 2014– **Master Degree in Bioinformatics and Biology Systems**, *Universidad Nacional del Noroeste de la Provincia de Buenos Aires, Pergamino*, 364 hs cursadas / 576 hs.
- 2005–2013 **Licentiate Degree in Information Systems**, *Universidad Nacional de Luján, Luján*.
- 2002–2005 **Bachelor Degree in Information Systems Analyst**, *Universidad Nacional de Luján, Pergamino*.
- 1999–2001 **High school Title oriented to Natural Sciences**, *Instituto Comercial Rancagua, Rancagua*.
- 1997–1998 **Basic General Education**, *School N° 54, Rancagua*.
- 1989–1996 **Basic General Education**, *School N° 62, Pergamino*.

Academic Expertise

- 2013 **Adaptability to the context in web applications based on Continuations**, *Licentiate Degree Thesis*.
It present a model to work with context-aware adaptations in web applications through continuations, while it try to maintain the privacy of the web application user.
- 2012 **Calculate Solar Radiation through imágenes of a MSG satellite**, *Specialization course in satellite image processing at the University of Jaen (Spain)*.
We replicated a study already done on the area of Andalusia (Spain) using satellite images Meteosat Second Generation.
- 2011 **Coaching and Leadership Seminar**, *Dictated by Lic. Fabiola Robin Marquez*.
This course introduces the types of leadership, motivation, influence, conflict / mediation / resolution, decision-making and coaching.
- 2010 **Geostatistic Basic Concepts**, *Update Seminar II*.
I write a document to introduce the basic concepts of geostatistic to other professionals.
- 2009 **Fundamentals of testing and functional testing techniques**, *Centro de Ensayos de Software*.
Coursed at the Faculty of Informatics, University of La Plata.
- 2006 **South Supermarkets**, *Computer Lab III*.
Implemented in Apache / PHP / JavaScript, it is an application that manages a virtual supermarket.
- 2006 **DES Solar Energy**, *Expert systems*.
It is an application that allows to estimate the size of a home electric system based on solar energy using the experience of Ing. Raul Righini (UNLu). The implementation was done in VisualWorks Smalltalk.

- 2006 **TSP with Genetic Algorithm v1.0**, *Artificial intelligence*.
It is an application that tries to solve the "Travelling Salesman Problem" using genetic algorithms. Implemented in VisualWorks Smalltalk.
- 2006 **Tetris v1.2**, *Object Oriented Programming*.
This is a simple version of tetris. It was implemented in VisualWorks Smalltalk.
- 2005 **Roberto Insausti SA (Pergamino)**, *Professional seminar*.
Analysis and design of possible solutions to the company Roberto Insausti SA.
- 2004 **Gnat v1.4**, *Update Seminar I*.
This is a graphical application showing a reactive simulation of a mosquito's behavior. Implemented in Delphi.
- 2003 **Library System v4**, *Applied programming*.
It is a non-graphical application that manages a simple library system. Implemented in Perl and Firebird.
- 2002 **Diary v1.2**, *Algorithmic Programming I*.
This is a graphical application to handle an agenda that runs under console. Implemented in Basic.

Jobs Timeline

- 2012–present **Lead Software Developer at GERSolar**, *Universidad Nacional de Luján*, Luján.
I have worked on developing an architecture of satellite image processing, which has to estimate solar radiation at ground level, for the whole area of Argentina. Git: <https://github.com/gersolar>. Reference: raulrighini@yahoo.com.ar
- 2010–2012 **Researcher en el LIMIE**, Pergamino.
I have collaborated in the development of a device for the blind. Languages used: C (ARM-embedded), Ruby, Java (Android).
- 2007–2009 **Laboratory assistant at LIFIA**, *Universidad Nacional de La Plata*, La Plata.
I was part of the development of a testing platform for slot machines. Languages used: C ++, Python, Lua. Reference: federico.balaguer@lifia.info.unlp.edu.ar.
- 2008 **Collaborator in the Object Orientation 1 course**, *Universidad Nacional de La Plata*, La Plata.
I worked as a collaborator helping students in understanding the practical exercises and resolutions. Language used: Smalltalk.
- 2006–2008 **Second assistant in the Programming III course**, *Universidad Nacional de Luján*, Luján.
I worked as an assistant in the practice of the course. Languages used: Smalltalk, Java. Reference: alejandro.fernandez@lifia.info.unlp.edu.ar.

Knowledges

Modeling	design patterns, refactoring	DB	firebird, mysql, postgresql, sqlite3
Services	apache, subversion, git	Virtualization	virtualbox, kvm
Networking	tcp/ip, route, nat, filters, iptables	OS	gnu/linux, osx, windows
Weak typing languages	javascript (prototype, jquery), lisp, lua, octave, perl, php, prolog, python (django), ruby (rails, wee), smalltalk (seaside, meteoroid), xml, xsl	Strong typing languages	assembly, c/c++ (boost, asio, stl, lpc1343), delphi, java (android), \LaTeX, visual basic
Utilities	gimp, vim, html, css, ssh, makefile		

Languages

Español	Nativo
English	Middle level
汉语	初始水平

Reference

Dr. Alejandro Fernández	alejandro.fernandez@lifa.info.unlp.edu.ar.
Dr. Federico Balaguer	federico.balaguer@lifa.info.unlp.edu.ar.
Mg. Gabriel Tolosa	tolosoft@unlu.edu.ar.
Mg. Fernando Bordignon	fernando.bordignon@gmail.com.
Dr. Raúl Righini	raulrighini@yahoo.com.ar.