# Eloy Adonis Colell

*Licentiate degree in
Information Systems*
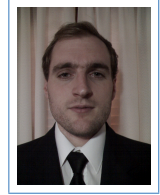
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32 years old

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## 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** **Licenciate 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**, *Instiulo Comercial Rancagua*, Rancagua.

**1997–1998** **Basic General Education**, *School $N^o$ 54*, Rancagua.

**1989–1996** **Basic General Education**, *School $N^o$ 62*, Pergamino.

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## 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 mantain 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.

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| 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 mosquitou'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

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|---|---|
| 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-embbeded), 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

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|---|---|---|---|
| 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

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| Español | **Nativo** |
| English | **Middle level** |
| 汉语 | 初始水平 |

## Reference

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| Dr. Alejandro Fernández | **alejandro.fernandez@lifia.info.unlp.edu.ar**. |
| Dr. Federico Balaguer | **federico.balaguer@lifia.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**. |