

Eloy Adonis Colell

*M.S. in Biological Systems
And Bioinformatics*

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📁 [ecolell.github.io](https://github.com/ecolell)

38 years old

Jobs Timeline

- 2021–2022 **Senior Software Developer**, *American European Insurance Group*, Remote.
I collaborated with the development and maintenance of some projects. It involved technologies like Flask, PostgreSQL, Docker Compose, React, and many others.
- 2018–2021 **Senior Software Developer**, *SquareTrade Go*, Remote.
I collaborated with the development and maintenance of some projects. It involved technologies like Flask, Celery, Objective C, SwiftUI, Docker Compose, AngularJS, React, and many others.
- 2020–2021 **Bio Sciences Programming Concepts**, *Coordinator*, Remote.
I collaborated with the development and teaching of UNNOBA Master's degree class, into the Bioinformatics and System Biology plan.
- 2016–2017 **Software Developer in Willdom SA**, *Willdom SA*, Remote.
I collaborated with the development and maintenance of the SquareTradeGo online sales platform (on web and iOS).
- 2012–2016 **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.
Technologies used: Python, twisted, netcdf, PyCUDA, CUDA, Heliosat2.
- 2010–2012 **Researcher en el LIMIE**, Pergamino.
I collaborated on the development of a RRHH platform for a local business. Also, I have collaborated in the development of a portable ultrasound device to detect distances and assist blind people to recognize some obstacles.
Technologies used: C (ARM-embbeded), LPC1343, Ruby.
- 2007–2009 **Laboratory assistant at LIFIA**, *Universidad Nacional de La Plata*, La Plata.
I was part of the development team of a testing platform for a communication protocol commonly used in the slot machines. The platform had two sides the Control of the User Interface developed with Python, and the Communication Backend developed in C++; both sides were integrated through a Lua stack.
Languages used: C++, Python, Lua.

Publications

- 2018 **MISTIC2: comprehensive server to study coevolution in protein families**, *Colell, EA et. al.*, Nucleic Acids Research.

Academic Formation

- 2014–2018 **Master Degree in Bioinformatics and System Biology**, *Universidad Nacional del Noroeste de la Provincia de Buenos Aires (UNNOBA)*, Pergamino.
- 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.

Academic Expertise

- 2016 **Machine Learning**, *Specialization course from the Stanford University through the Coursera website*.
It explains algorithm and math of some the automatic learning algorithms, explain the basics of the datamining and present the statistical pattern recognition.
Technologies used: Octave, Supervised Learning, Unsupervised Learning.
- 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.
Technologies used: Python, Heliosat2.
- 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.
- 2009 **Fundamentals of testing and functional testing techniques**, *Centro de Ensayos de Software*.
Coursed at the Faculty of Informatics, University of La Plata.
Technologies used: UnitTest, IntegrityTest.

Knowledges

Modeling	design patterns, refactoring, machine learning	DB	firebird, mongodb, mysql, postgresql, sqlite3
Services	apache, subversion, git, nginx	Virtualization	virtualbox, kvm
Weak typing languages	javascript (cypress, reactjs, angularjs, knockoutjs, lodash, webpack), lisp, lua, perl, php, prolog, python (django, flask, mocker, sqlalchemy), ruby (rails 5.1), smalltalk, xsl	Strong typing languages	assembly, c/c++ (lpc1343), delphi, java (android), \LaTeX, swift (iOS), objective C (iOS 11)
Networking	tcp/ip, route, nat, filters, iptables	Utilities	gnu/linux, osx, css, ssh, makefile, docker

Languages

Español **C2**
English **C1**

References

Postdoc. Franco **francolsimonetti@gmail.com**.
Simonetti