Eloy Adonis Colell

M.S. in Biological Systems
And Bioinformatics
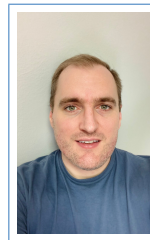
San Nicolás 2310, Pergamino
B2700LCR

✆ *+54 9 02477 15536539*

✉ *eloy.colell.jobs@gmail.com*

✎ *ecolell.github.io*

37 years old

Jobs Timeline

2018–2020 **Senior Software Developer**, *as Freelance contractor*, Remote.
I collaborated with the development and maintenance of some projects. It involved technologies like Flask, Celery, Objective C, SwiftUI, Docker Compose, and many others.

2020 **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.
Techonologies used: Python, twisted, netcdf, PyCUDA, CUDA, Heliosat2.

2010–2012 **Researcher en el LIMIE**, Pergamino.
I collaborated on the development of a RRHH plaform 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.

| 1999–2001 | **High school Title oriented to Natural Sciences**, *Institulo Comercial Rancagua*, Rancagua. |

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**
Networking	**tcp/ip, route, nat, filters, iptables**	OS	**gnu/linux, osx, windows**
Weak typing languages	**javascript (cypress, reactjs, angularjs, jquery, knockoutjs, lodash, prototype, protractor, webpack), lisp, lua, octave, perl, php, prolog, python (django, flask, mocker, pytest, sqlalchemy), ruby (rails 5.1), smalltalk (seaside, meteoroid), xml, xsl**	Strong typing languages	**assembly, c/c++ (boost, asio, stl, lpc1343), delphi, java (android), LaTeX, swift (iOS), objective C (iOS 11), visual basic**
Utilities	**gimp, vim, html, css, ssh, makefile, docker**		

Languages

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

References

| Dr. Gastón Ávila | **avila.gas@gmail.com**. |

Dr. Raúl Righini — **raulrighini@yahoo.com.ar**.

Dr. Alejandro Fernández — **alejandro.fernandez@lifia.info.unlp.edu.ar**.

M.S. Fernando Bordignon — **fernando.bordignon@gmail.com**.