

Hugo Arregui

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- [GitHub Profile](https://github.com/hugoArregui) (<https://github.com/hugoArregui>)
- [Google Code Profile](http://code.google.com/u/hugo.arregui/) (<http://code.google.com/u/hugo.arregui/>)
- [OpenHub Profile](https://www.openhub.net/accounts/hugo_arregui) (https://www.openhub.net/accounts/hugo_arregui)

Professional Experience

- 03/2016 - [PRESENT]** **Engineer** at [Auth0](https://auth0.com/) (<https://auth0.com/>)
Keywords: node, express, jwt, elasticsearch, mongo, hapi
- 07/2010 - [PRESENT]** **Freelance Software Engineer/Developer** at *LambdaDev*
Keywords: C++, Python, Java, JavaScript, Bash, clojure, clojurescript, scrapy, web.py, Flask, pyramid, django, jQuery, Dojo, Mercurial, Git, SVN, MySQL, PostgreSQL, bash scripting, phonegap / cordova, SOAP, suds, Google Apps Engine, Spring, Hibernate, JPA2, JNI, Maven
- 01/2015 - 06/2015** **Senior Python Developer** at [Jampp](http://jampp.com/) (<http://jampp.com/>)
Keywords: zeromq, sklearn, pandas, numpy, machine learning
- 02/2013 - 02/2015** **Scheme Developer** at [bevuta IT GmbH](http://www.bevuta.com/en/) (<http://www.bevuta.com/en/>)
Android development using java + chicken scheme + jni
Keywords: android, scheme, chicken scheme, C, jni
- 08/2010 - 01/2014** **C++ Developer (Ad honorem)** at *FuDePAN*
Bioinformatics oriented tools development.
Keywords: C++, Template Metaprogramming, googletest, googlemock, g++, make, Scons, Jenkins, SVN, Mercurial
- 07/2011 - 01/2013** **Regional Coordinator for Buenos Aires (Ad honorem)** at *FuDePAN*
Projects and volunteers coordination
- 04/2010 - 01/2011** **Ssr. Python Developer** at [TeraCode](http://teracode.com/) (<http://teracode.com/>)
Working in performable's web-site/platform
Keywords: python, Tornado, django, SQLAlchemy, jQuery, MySQL, Scrum
- 04/2008 - 04/2010** **Ssr. Java Developer** at [Livra](http://www.livra.com/) (<http://www.livra.com/>)
Develop Livra's website. Creating and maintaining marketing tools for surveys, statistics, etc.
Keywords: java, Apache Wicket, wicket, Hibernate, JUnit, Velocity, Lucene, PostgreSQL, Web Services, Rest, Jersey, SOAP, Axis, prototype, scriptaculous, Eclipse, Tomcat, Jetty, ant, Maven, SVN
- 08/2007 - 04/2008** **Java Developer** at *Thales Information Systems*
Create an IVR using avaya software and Asterix for a prestigious bank. Create and support web-based tools using struts, hibernate and spring.
Keywords: IVR, asterix, struts, hibernate, spring

Publications

- 2012** **Curiously Recursive Template Problems with Aspect Oriented Programming** ([read it](http://accu.org/index.php/journals/1916))
(<http://accu.org/index.php/journals/1916>)
ACCU Overload magazine 109, June 2012.
Hugo Arregui, Carlos Castro, Daniel Gutson
- 2011** **Biopp2: biological alphabet manipulation library**
2do Congreso Argentino de Biología Computacional
Hugo Arregui, Daniel Gutson
- 2011** **Backbones Generator v2**
2do Congreso Argentino de Biología Computacional
Hugo Arregui, Rodrigo Castaño, Lucía Lauría, Rafael Garabato, Elmer Fernández, Marcos Villarreal

Higher Education

- 2010 - 2014** System Analyst at CAECE University
2005 - 2010 System Engineering at Universidad Tecnológica Nacional (Unfinished)

Other Education

- 2013 - Coursera** Image and video processing: From Mars to Hollywood with a stop at the hospital
2012 - Coursera Algorithms: Design and Analysis Part I
2011 - ECI 2011 (UBA) Programación de Seguridad mediante Bibliotecas - (*Security programming using libraries*)
2011 - ECI 2011 (UBA) Programación distribuida y paralela usando MPI - (*Distributed and parallel programming using MPI*)
2010 - FuDePAN C++ Internals
2010 - FuDePAN C/C++ Good Practices

Skills

- Languages:** C++, Python, Java, Scheme, Bash Scripting/AWK, JavaScript, Groovy, Ruby, NodeJS
Python tools: django, pylons, tornado, webpy, unittest, pymock, flake8, flask
C++ tools: googletest, googlemock
NodeJS tools: restify, express, hapi
Ruby tools: sinatra, sequel
Java tools: Hibernate, Spring, Struts, Wicket, Junit
Javascript tools: jQuery, Dojo, Prototype
Mobile: Android, phonegap/cordova
Others tools: valgrind, gdb, Vim, Eclipse, Youtrack, Google Code, redis, Redmine, Bitbucket, Gitlab, GitHub, Asana, Bootstrap, ElasticSearch
Version Control: hg, git, svn
Build Systems: make, scons, ant
Databases: PostgreSQL, MySQL, SQL Server, Oracle, MongoDB
Continuous integration: Jenkins/Hudson
Operating Systems: Unix/Linux, Windows