

# Hugo Arregui

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- [Google Code Profile](http://code.google.com/u/hugo.arregui/) (<http://code.google.com/u/hugo.arregui/>)
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## Professional Experience

- 03/2016 - [PRESENT]**     **Engineer at Auth0**  
*Keywords:* node, express, jwt
- 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://jamp.com/>)  
*Keywords:* zeromq, sklearn, pandas, numpy, machine learning
- 02/2013 - 02/2015**     **Scheme Developer at bevuta IT GmbH** (<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/>)  
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/>)  
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

## Computer 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  
**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  
**Version Control:**    hg, git, svn  
**Build Systems:**    make, scons, ant  
**Databases:**    PostgreSQL, MySQL, SQL Server, Oracle  
**Continuous integration:**    Jenkins/Hudson  
**Operating Systems:**    Unix/Linux, Windows