

# Hugo Arregui

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## Professional Experience

07/2010 - <b>[PRESENT]</b>	<b>Freelance Software Engineer/Developer</b> at <i>LambdaDev</i>  <i>Keywords:</i> 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	<b>Senior Python Developer</b> at <i>Jampp</i> ( <a href="http://jampp.com/">http://jampp.com/</a> )  <i>Keywords:</i> zeromq, sklearn, panda, numpy, machine learning
02/2013 - 02/2015	<b>Scheme Developer</b> at <i>bevuta IT GmbH</i> ( <a href="http://www.bevuta.com/en/">http://www.bevuta.com/en/</a> )  Android development using java + chicken scheme + jni  <i>Keywords:</i> android, scheme, chicken scheme, C, jni
08/2010 - 01/2014	<b>C++ Developer (Ad honorem)</b> at <i>FuDePAN</i>  Bioinformatics oriented tools development.  <i>Keywords:</i> C++, Template Metaprogramming, googletest, googlemock, g++, make, Scons, Jenkins, SVN, Mercurial
07/2011 - 01/2013	<b>Regional Coordinator for Buenos Aires (Ad honorem)</b> at <i>FuDePAN</i>  Projects and volunteers coordination
04/2010 - 01/2011	<b>Sr. Python Developer</b> at <i>TeraCode</i> ( <a href="http://teracode.com/">http://teracode.com/</a> )  Working in performable's web-site/platform  <i>Keywords:</i> python, Tornado, django, SQLAlchemy, jQuery, MySQL, Scrum
04/2008 - 04/2010	<b>Sr. Java Developer</b> at <i>Livra</i> ( <a href="http://www.livra.com/">http://www.livra.com/</a> )  Develop Livra's website. Creating and maintaining marketing tools for surveys, statistics, etc.  <i>Keywords:</i> 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	<b>Java Developer</b> at <i>Thales Information Systems</i>  Create an IVR using avaya software and Asterix for a prestigious bank. Create and support web-based tools using struts, hibernate and spring.  <i>Keywords:</i> IVR, asterix, struts, hibernate, spring

## Publications

2012	<b>Curiously Recursive Template Problems with Aspect Oriented Programming</b> ACCU Overload magazine 109, June 2012. <i>Hugo Arregui, Carlos Castro, Daniel Gutson</i> <a href="http://accu.org/index.php/journals/1916">link to the article</a> ( <a href="http://accu.org/index.php/journals/1916">http://accu.org/index.php/journals/1916</a> )
2011	<b>Biopp2: biological alphabet manipulation library</b> 2do Congreso Argentino de Biología Computacional <i>Hugo Arregui, Daniel Gutson</i>
2011	<b>Backbones Generator v2</b> 2do Congreso Argentino de Biología Computacional <i>Hugo Arregui, Rodrigo Castaño, Lucía Lauría, Rafael Garabato, Elmer Fernández, Marcos Villarreal</i>

## Higher Education

2010 - 2014	System Analyst at CAECE University
2005 - 2010	System Engineering at Universidad Tecnologica 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 - ( <i>Security programming using libraries</i> )
2011 - ECI 2011 (UBA)	Programación distribuida y paralela usando MPI - ( <i>Distributed and parallel programming using MPI</i> )
2010 - FuDePAN	C++ Internals
2010 - FuDePAN	C/C++ Good Practices

## Computer Skills

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