

# Patricio Palladino

Computer science student

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## About Me

- Profile** Computer Sciences student trying to get some experience in different areas of the software development industry before finishing his studies.
- Main Interests** Development Tools, Computer Security, Programming Languages, Software engineering and formal methods, System programming

## Education

- 2010 - 2016 **Msc. in Computer Sciences,**  
(Expected) *Faculty of Exact and Natural Sciences, University of Buenos Aires.*  
Courses taken (13 out of the 17 mandatory courses):
- *Algebra* - Final: 7
  - *Mathematical analysis* - Final: 4
  - *Probability and statistics* - Final: 5
  - *Algorithms and data structures I* - Final: 10
  - *Algorithms and data structures II* - Final: 9
  - *Algorithms and data structures III* - Final: 10
  - *Computer organization I* - Final: 9
  - *Computer organization II* - Final project: 10
  - *Operating systems* - Final: Pending
  - *Computer Networks* - Final: Pending
  - *Software engineering I* - Final: Pending
  - *Logic and computability* - Final: 10
  - *Programming languages' paradigms* - Final: Pending
  - *Runtime verification: From theory to practice and back* - Final: 10
  - *Automatic sythesis of cotrollers* - Final: 7
  - *Enterpreunership* - Final: Pending
- 2007 - 2009 **Informatic Engineering,**  
*Faculty of Engineering, University of Buenos Aires.*  
Withdraw from studies in order to start Computer Sciences

## Technical Skills

### Programming Languages

- Advanced PHP, JavaScript
- Proficient C, C++, Python, SQL
- Intermediate x86 ASM, Java, Go
- Basic Ruby

## Technologies

OS Linux (ArchLinux, Fedora, and Debian Based), Windows XP, Windows 7, OS X.  
SCM git, mercurial, svn, cvs  
DB mysql, mongodb

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## Languages

Spanish **Native Speaker**

English **Fluent** *9 years of studies, 5 international exams passed, up to Cambridge's CAE*

French **Beginner**

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## Working experience

Aug 2014 **Mentee**, *Mozilla*, Remote.

Feb 2015 Development of a module for forensic analysis of running processes' memory for Mozilla Investigator project.

**Technologies used:**

- Go, Linux, Windows, OS X

Jan 2014 **Intern**, *Google*, Mountain View, California.

Mar 2014 Internship in Google's Java Platform Team. Created a tool for aiding java developers to find memory leaks using jvm's heap dumps.

**Technologies used:**

- Java, Java Servlets, Eclipse MAT

Mar 2013 **Intern**, *INRIA*, Rennes, France.

May 2013 Internship in INRIA's Celtique team working on the StopFingerprinting project developing browser extension to collect fingerprints of the users and analyzing the results with the goal to identify how they change through time.

**Technologies used:**

- Backend: PHP, Zend Framework, MongoDB
- Extensions: JavaScript, Firefox Extensions APIs, XUL, Chromium extensions APIs
- Data analysis: Python

Mar 2012 **Co-found and lead developer**, *Pafsis*, Buenos Aires.

Jun 2013 We developed a SaaS accounting system (not yet released) and made contracting jobs on RFID social media campaigns. Left the project to focus on my studies and find more technically challenging jobs.

**Technologies used:**

- Backend: PHP, Zend Framework, MySQL, Python, Pyramid, SQLAlchemy
- Frontend: HTML, CSS, Sass, ActionScript 3, Haxe, jQuery, jQuery UI
- RFID dekstop apps: Mifare classic, python, Gtk+3, Gstreamer, Clutter

2007 **Web consulting**, *Freelance*, Buenos Aires.

May 2012 I participated in several projects on a freelance basis, the main projects are listed below, but I have also done more basic jobs involving basic frontend development and Wordpress.

Nov 2011 **Lead developer at Ganadera Online**, *Freelance consulting*, Buenos Aires.

May 2012 Implemented new features on the website. **Technologies used:**

- JavaScript, Node.js, MongoDB, Express.js, jQuery, HTML, CSS

Jul 2011 **Solo PHP Developer at Panarea Digital**, *Freelance consulting*, Buenos Aires.

Development of PHP server for synchronization iPad marketing presentations.

**Technologies used:**

- PHP, Zend Framework, Apache, MySQL, Memcache

2009 **Solo PHP Developer at Guia Artistica**, *Freelance consulting*, Buenos Aires.

2011 Development of a multi-shop ecommerce platform.

**Technologies used:**

- Apache, PHP, JavaScript, MySQL, jQuery, HTML, CSS, Symfony, Doctrine

- Oct 2009 **Senior front-end developer**, *TeraCode*, Buenos Aires.
- Feb 2010 Development of a rich internet application for generating resumes online. **Technologies used:**
- JavaScript, HTML, CSS, jQuery, jQuery UI, JavaScriptMVC
- Mar 2009 **Semi-Senior PHP developer**, *TeraCode*, Buenos Aires.
- Oct 2009 Involved in server projects, the main of them was the development, as a solo developer, of a server for selling music on android apps.
- Technologies used:**
- PHP, Apache, MySQL, Symfony, Doctrine, JavaScript, HTML, CSS
- 2008 **Solo PHP Developer at RiverPlate.com**, *Freelance consulting*, Buenos Aires.
- Maintainment of the website and implementation of new features.
- Technologies used:**
- Apache, PHP, MySQL, JavaScript, jQuery, ActionScript, HTML, CSS
- 2007 **Solo PHP Developer at tuRiver.com.ar**, *Freelance consulting*, Buenos Aires.
- 2008 Development and maintainment of a content management system.
- Technologies used:**
- Apache, PHP, MySQL, JavaScript, HTML, CSS

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## Conference presentations

- 2013 **Ekoparty Seucurity Conference**, *All your sextapes are belong to us*.
- I gave a presentations about massively stealing amateur adult content from untargeted victims and its implications on people's privacy.