# Cristóbal Carnero Liñán – Resume

*“Creativity is intelligence having fun.”* – Albert Einstein

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* **Date of birth:** 12th February, 1981

# Summary

More than 10 years of professional experience in the software industry and university research groups. Expertise in develop, deploy and manage server-side software and web services.

# Education

* 2009 – 2011 **Master in Software Engineer and Artificial Intelligence**, Universidad de Málaga.
* 2002 – 2007 **Computer and Software Engineering**, Universidad de Málaga.
* 5-year university degree. Bachelor Thesis approved with Special Distinction.

# Experience

* Since July 2015 **VATIA Energía**, *Full Stack Developer*.
  + *Energy Sequence*: web platform for automatic *Virtual Energetic Audit*, *Energetic Benchmarking*, and more.
* Since 2015 **RegaloInteligente**, *Founder*.
  + Search engine of gifts with parameters like gender and age, and filter for prices.
  + Web and Android applications (available in Google Play).
  + Twitter bot with auto posting and automatic reply.
* 2014 – 2015 **Axafone**, *Consultant*.
  + Web technology consultancy.
  + Customized web crawlers.
  + Speaker.
* 2013 – 2014 **CursosDeSEO**, *Founder*.
* Search engine of courses from different platforms and formats.
* 2011 – 2013 **Melomics Media**, *Backend Developer, DevOps*.
  + Server side development and deployment of a massive online music repository, with search, streaming, purchases and public API.
  + Administration of cluster of Debian servers.
  + Development and deployment of automatic video edition software with additional post-processing capabilities as chroma key, effects, titles, subtitles, publishing,...
* 2009 – 2011 **Universidad de Málaga**, *Researcher*.
* Computer vision research in the department of *“Computational Intelligence and Image Analysis”*, managed by José Muñoz Perez and Enrique Dominguez Merino.
* 2007 – 2009 **Tedial S.L.**, *Backend Developer, System Administrator*.
  + Server-side media storage technologies.
  + Authentication, authorization, and access control.
  + Management of surveillance cameras.
  + Deployment of software and administration of several SuSE Enterprise Server installations.
* 2005 – 2006 **Novasoft**, *Software and Web Developer*.
* Educational video games.

# Master Thesis

**Title:**

*“Shape recognition through new convexity descriptors”*

**Supervisors:**

José Muñoz Perez, Enrique Dominguez Merino

**Description:**

For this project several new convexity descriptors were devised. Then they were tested in the recognition of the *American Sign Language* used by deaf people.

# Bachelor Thesis

**Title:**

*“A Video Surveillance System for Fall Detection”*

**Supervisors:**

José Muñoz Perez

**Description:**

Development of a video surveillance software to automatically detect the fall of persons.

# Free Software Projects

* Since 2014 **WooDPD**, <http://woodpdplugin.com>.
* WordPress Plugin to integrate DPD purchases in WooCommerce.
* Since 2013 **OrigamiPress**, <http://origamipress.com>.
* Blog tool, publishing platform, and CMS developed in Python. Yet to be published.
* Since 2009 **cvBlob**, <http://cvblob.googlecode.com>.
* Blob library for OpenCV, widely used in computer vision and robotic research.

# Languages

* **Spanish** Native
* **English** Fluent

# Qualities

## Computer skills

**Languages:**

C, C++, Python, Bash, JavaScript, HTML5, CSS3, Java, JSON, SQL, PHP, ASP, Delphi, Octave, Matlab, ActionScript, Assembly (Intel x86, AT&T). **Databases:**

Oracle, MySQL, MongoDB, Redis, Memcached, ElasticSearch. **Web servers:**

Apache, Nginx. **Environments:**

Vim, GDB, Make, CMake, Android Studio, Eclipse, KDevelop, Visual Studio. Mercurial, Git, Subversion, CVS. **Frameworks:**

Pyramid, Node.js, Express.js, Bootstrap, Mako, Celery, Cornice, Scrapy, WordPress, OpenCV, OpenGL, OAuth. **Deployment:**

VirtualEnv, Supervisor, Fabric, Upstart, Docker/Dokku, Vagrant. **Technologies:**

RESTful Web Services, Ajax. **APIs:**

PayPal, Google Wallet, Amazon, Facebook, Twitter, Braintree, Telegram. **SO:**

GNU/Linux (SuSE Enterprise Server, Debian, Ubuntu), Android, Windows. **Others:**

LaTeX, Doxygen, LibreOffice, Inkscape, Gimp, Krita, Photoshop, Flash.

## Personal skills

### Engineering:

* Ability to find creative solutions.
* Strong analytical, able to anticipate issues, resolve concerns and improve efficiency.
* Good software engineering skills.
* Care of coding standards.
* Eager to learn and develop new skills.

### Others:

* Ability to work without direct supervision.
* Skilled in building excellent rapport with team members and clients.
* Great verbal and written communication skills (wide experience in both Spanish and English).
* Professional experience in public speaking.

# Interests

GNU/Linux, web servers, web spiders, image processing, computer vision, computer graphics, artificial intelligence, compilers development, security.