

# Cristóbal Carnero Liñán

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

## 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 **VATIA Energía**, *Full Stack Developer*.  
2015 – *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.

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## 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.

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## 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.

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## 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.

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## Languages

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

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## 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.