

# Cristóbal Carnero Liñán

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12th February, 1981



*“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 developing, 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 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 2017 **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, Java, Bash, HTML5, CSS3, JSON, JavaScript, SQL, PHP, ASP, Delphi, Octave, Matlab, ActionScript, Assembly (Intel x86, AT&T).  
Databases: Oracle, MySQL, MongoDB, Redis, Memcached.  
Web servers: Apache, Nginx.  
Environments: Vim, GDB, Make, CMake, Android Studio, Eclipse, KDevelop, Visual Studio. Mercurial, Git, Subversion, CVS.  
Frameworks: Pyramid, web.py, Elasticsearch, Scrapy, Bootstrap, Mako, Supervisor, Celery, Cornice, WordPress, OpenCV, OpenGL, OAuth.  
Technologies: RESTful Web Services, Ajax.  
APIs: PayPal, Google Wallet, Amazon, Facebook, Twitter, Braintree.  
SO: GNU/Linux (SuSE Enterprise Server, Debian, Ubuntu), Android, Windows.  
Others: LaTeX, Doxygen, LibreOffice, Inkscape, Gimp, Krita, Photoshop, Flash, Dreamweaver, VMWare.

## 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, developing compilers, security.