

Miguel Luis González

Birthdate: 1984

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Telecommunications engineer. Expert in web technology: PHP and Web Services, CMS, front and back-end programmer, MySQL, XHTML, CSS, AJAX, Javascript, jQuery, XML/XSLT, JSP.

Online portfolio: <http://mentadreams.com/portfolio/>

Interests - Web development, both back and front end, open source, signal processing, image processing, pattern recognition, linguistics.

Driving license - Spanish driving license obtained in April, 2003.

References - Available upon request.

Qualification

Studies

Master degree. May 2009. "Accessible services in the Information Society" at EUITT, *Universidad Politécnica de Madrid* with thesis "Accesible system for interacting with the computer using Wiimote".

Degree. June 2006: Technical Engineer in Telecommunications (Telematics), *EUITT Universidad Politécnica de Madrid* with thesis "Multimedia Services in a domestic environment over OSGi platform".

Skills

Programming Languages

PHP: Commercial experience in freelance and in-house projects. Analysis, development, maintenance of very different websites. Experience in both Object-oriented and procedural programming. Knowledge of several frameworks: Kohana, Yii. Knowledge and usage of several CMSs: Wordpress, Magento, ZenPhoto, Joomla, and others.

Java: Commercial experience in university research and in-house graphic applications development. Bluetooth interfaces, PKI management, GUI and web services. Usage of different IDE for RAD as Netbeans.

Javascript: Commercial experience in freelance and in-house projects. Extensive experience with frameworks as jQuery and Prototype, jQueryUI. Development of jQuery plugins, AJAX.

Matlab. University Practicals, research projects. GUI, information analysis and image analysis

C: University Practicals, personal projects

SQR: Information analysis and processing

C++, C#, Visual Basic, Python. Personal projects.

Other computer skills

Advanced user and administrator skills of Windows (NT-2000 based) and Unix (FreeBSD and GNU/Linux) operating systems.

Wired and wireless network deployment, configuration and management.

Solid experience in **installing and maintaining web** (Apache and IIS) and database servers (MySQL, mSQL, Oracle).

W3C standards. CMS frameworks. Extensive experience in graphic design and video edition with proprietary and open source software (3DStudio, Adobe Photoshop, Adobe Premiere, Adobe After Effects, etc.; Inkscape, The Gimp, Scribus, etc.).

Languages

Spanish. Mother tongue

English. High speaking and writing level. Travels, paper writing, paper revision, projects' meetings. First Certificate obtained in 2002

French. High speaking and writing level. Travels. Studied from 1996-2002

Catalan. Medium-High. 4rd course (from 6) at Official Language School, Madrid

Work Experience

August 2009-July 2010. Head of IT and Programming at SCM-M (online marketing company).

- Development, maintenance, design, and contractors coordination. The clients comprise an important corporation of educational services: UCJC University (<http://www.ucjc.edu>), SEK schools (<http://www.sek.es/>) and IE University (<http://www.ie.edu/university>), among other medium-sized projects. PHP, MySQL, Javascript, jQuery, XHTML, CSS, Facebook connect, RSS, web services. SVN as a version control system.
- Development of an online-newspaper for the Journalism School of UiversidadCJC, <http://lacolmena.ucjc.edu>. Wordpress Theme and plugin development.

- Development and database communication for an online RPG game dondeestayago.com (website no longer available). Oracle, PHP.
- Maintenance of Israel Embassy of Spain's website (<http://www.embajada-israel.es>), Casasefarad (<http://www.casasefarad-israel.es>). dotNET maintenance on already deployed code. CSS, XHTML, Javascript.

March 2008-August 2008. Web Design and Programming Teacher at a school of arts. CEI, Centro de Estudios de la Imagen, 2008. PHP, MySQL, Javascript, XHTML, AJAX, Flash, Flex. AJAX teacher at CREA Formación.

April 2007-May 2009. Researcher in the European Community uSWN project at the Universidad Politécnica de Madrid, related to Sensorial Wireless Networks, since 2007 to 2009. English paper writing, C for microcontrollers in Telos-B and Tmote Sky platform. Other research projects regarding Bluetooth and e-Health integration (Java and SQL technologies), and "CriptoRED" thematical web group migrations (PHP, MySQL, Python, Moodle).

September 2006-April 2007. Developer at Ydilo Advanced Voice Solutions. Tasks of analysis and programming with Java (SWT, Web services, Nuance API), SQR and PHP languages. Voice applications and management web interfaces. Nuance and Oracle technology.

May 2000-September 2001. Web designer and programmer at DoctusNet, in the field of web technology applied to e-learning.

Design and programming as Freelance

- Intypedia.com (still not online). Educational videos site regarding information security. PHP and Javascript. Also producing, audio engineering and art direction. August 2010.
- [NorbertoGallego.com](http://www.norbertogallego.com) (<http://www.norbertogallego.com>). Professional blog for journalist. Wordpress, XHTML, CSS and development of plugins for Wordpress 2.9. CSS, XHTML, among others. March 2010
- [Eldeportivodigital.es](http://www.eldeportivodigital.es) (<http://www.eldeportivodigital.es>). Online sports newspaper. Design, programming and deployment. Wordpress 2.8, CSS, XHTML, among others. November 2009.
- [Grupo de Trabajo de Historia del Pensamiento Geográfico](http://agepensamiento.es) (<http://agepensamiento.es>). Geography research group website. CMS development from scratch. 2008. PHP, Javascript, CSS and XHTML. May 2009.
- Widget development for Camilo José Cela University (Madrid) promotional website, MySQL+jQuery+ActionScript+PHP integration. May 2009.
- [Benjamín Larrea](http://benjalt.com) (<http://benjalt.com>), photographer's promotion and gallery (benjalt.com). Template and ZenPhoto CMS-core adaptation. PHP, Javascript, CSS and XHTML. April 2008.
- [Robert Harding Pittman](http://rhpimages.com) (<http://rhpimages.com>), photographer's promotion and gallery (rhpimages.com). Template for PHP Organize. PHP, Javascript, CSS and XHTML. March 2008.
- [Xenia Martinez](http://www.xeniamartinez.com) (<http://www.xeniamartinez.com>), translator work gallery (xeniamartinez.com). Multilanguage CMS development from scratch. PHP, Javascript, CSS and XHTML
- Producciones Audiovisuales Abanico (<http://abanicosl.com>), promo web of a video production company. Lately modified by the client. 2006. CSS and XHTML
- Mudanzas Acueducto (<http://mudanzasacueducto.com>), promo web of moving company (mudanzasacueducto.com). 2006. XHTML+CSS+Flash
- [Videoplay](http://videoplay.com) (<http://videoplay.com>), promo and shop web for multimedia products company. E-commerce CMS from scratch with catalogue and web administration. PHP and MySQL. (videoplay.com). 2004
- Taller de Nuevos Pintores (<http://100nuevos pintores.com>), promo web of a painting school. 2000. HTML+CSS+Javascript

Personal web projects

- QuéNochevieja.com, social web oriented to publish and find New Year's Eve parties. Design, programming and marketing.
- GaticosyPerretes.com, social web oriented to pets and their owners. Design and programming.
- Personal blog maintenance since 2003 using WordPress. Including several themes development.

Publications

- Microsignature: using microformats for creating secured web content.
- PRNG based on new HCI devices' entropy sources. ISCC 2009
- Gobiernat-e: propuesta de participación ciudadana a través de las nuevas tecnologías. (People's participation proposal through new technologies). XIII Congreso Nacional de Sociología de Castilla la Mancha. July 2008.
- Recogida de Firmas Electrónicas dentro del marco legal Español (Electronic Petition Drive within Spanish law). eParticipación basada en eDNI. COLLECTeR Iberoamérica June 2008
- A low-cost multimodal device for web accessibility. COLLECTeR Iberoamérica June 2008.
- uODICP, a Component Based Middleware Approach for Developing, Deployment and Interchanging information between nodes in a Wireless Sensor Network. November 2007.
- Computer Course for Galician Work Agency (Spanish), 2002.
- Article in LOGO magazine (Spanish), 1995.