

# Daniel Gual González

Industrial Engineer, MSc in Electronics y Automation

📍 C/ Cieza 8, Bajo dcha.  
46014 Valencia

✉ danielgualgonz@gmail.com

☎ +34 675 11 31 92

in [www.linkedin.com/in/danielgual](https://www.linkedin.com/in/danielgual)

## WORK EXPERIENCE

**MEGALUX EUROPE**  
Headquarters

### Product Manager

Valencia, Spain ~ May 2015 - Present day

- Oversee of the full product catalog, including product definition by its specifications and exploration of new sources of profitability
- Management of lighting projects and digital signage business area. Responsible for:
  - Management of the internal resources and infrastructure growth.
  - Coordination of the digital signage installations and subsequent maintenance operations.
  - Oversee of the configuration and set-up of the digital signage platforms being installed.
  - Technical coordinator of the subsidiary office in Netherlands.
- Software development and integrations. Solely responsible for:
  - Full stack development of the CMS used by the clients for remote management of their digital signage multimedia contents.
  - IA integration, such as face recognition applied to audience measurement and real time correlation with the multimedia contents playing on the digital signage displays.
  - Interactive content integration, such as multimedia content which reacts to pressure sensible LED displays.
  - Tailored implementations for specific clients, such as air traffic signaling systems, digital scoreboards for stadiums, logistic docks shipment control, centralized content management for local and private networks, etc.

**ENERGETIC LIGHTING**  
Madrid Regional Office

### Engineering Manager

Madrid, Spain ~ October 2012 - April 2015

- Resource management of the Engineering Department.
- Jointly responsible for the strategic plan design and execution. Participation in the organizational structure optimization, internal processes definition and task automation.
- Development and implementation of the software application used for creating project documentation and enterprise resource planning. Extensively used in more than 90% of the high efficiency lighting proposals, and also integrating other management services such as project monitoring, budgeting or inventory control.

**ENECO SOL**

### Chief Engineer

Madrid, Spain ~ January 2012 - September 2012

- Responsible for the Engineering Department, including human and material resources.
- Project management: development and justification of the proposed solution, implementation and monitoring.

### Project Engineer

Madrid, Spain ~ March 2011 - December 2011

- Development of project reports and complementary documentation.
- Technical support. Management assistance.

## EDUCATION

UNIVERSIDAD CARLOS III DE MADRID

TAMPERE UNIVERSITY OF TECHNOLOGY

**BSc in Industrial Engineering, MSc in Electronics and Automation**

Madrid, Spain - Tampere, Finland ~ September 2003 - July 2010

TAMPERE UNIVERSITY OF TECHNOLOGY

**Main Thesis.** Design of an architectural model of the COFEE core using ArchC

Tampere, Finland ~ May 2009 - July 2010

Development of a cycle-accurate description of the **COFFEE™** processor, an instruction set simulator and an assembler by using **ArchC** modeling software.

## EXTRA COURSES

E-LEARNING

**Circuits and Electronics (MITx 6.002x)**

**Node.js, Vue.js, MongoDB, C++, Objective C, .NET**

**SolidWorks 2012, AutoCAD 2012**

**Introduction to Aerodynamics (MITx 16.101x)**

TAMPERE UNIVERSITY OF TECHNOLOGY

**Course in Supply Change Management (108h, 4 ECTS)**

Tampere, Finland ~ September 2008 - December 2008

ST. GILES INTERNATIONAL

**Course in Advanced English (80h)**

London, UK ~ June 2010 - September 2010

## LANGUAGES

**Spanish** - Native

**English** - Negotiation

**German** - Beginner

## TECHNICAL SKILLS

**Web development:** Backend (**Node.js, MongoDB**), Frontend (**Vue.js, HTML5**), Cloud (**AWS EC2, S3, Heroku**)

**High-level languages:** .NET (**C#, VB.NET**), iOS (**Objective C**), scripting (**Python, JavaScript, VBScript, VBA**), graphical interfaces (**Qt**)

**Hardware description and design:** HDLs (**VHDL, SystemC**) and circuit design tools, including FPGA implementation (**Modelsim**), PCB layout (**Orcad**) and simulation (**Simulink**)

**Embedded systems:** **Assembler** for RISC MCUs (ATmega, COFFEE), **C/C++** (ATmega, PIC)

**PLCs:** STEP 7

**Databases:** Relational (**SQL, MySQL**), NoSQL (**MongoDB, IndexedDB**)

**Numerical and algebra computing environments, instrumentation:** Matlab, Mathcad

**CAD, 2D-3D modeling and design:** AutoCAD, SolidWorks, Fusion 360, Illustrator, Photoshop

**Word processors and page layout:** LaTeX, InDesign, Office