Daniel Gual González

Industrial Engineer, MSc in Electronics y Automation

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WORK EXPERIENCE

MEGALUX EUROPE

Product Manager

Headquarters

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 infraestructure 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

Engineering Manager

Madrid Regional Office

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 us 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 •

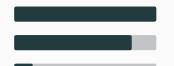
Curse in Supply Change Management (108h, 4 ECTS)

Tampere, Finland ~ September 2008 - December 2008

ST. GILES INTERNATIONAL • Curse 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