

CARLOS MORENO SERRANO

PROFILE

Telecommunication Engineer with broad experience in Electronics, Communication & Control Systems Design, IT, Programming, Networking, Fibre Optics. Hardworking, resourceful, leadership-gifted willing to join an engineering team in a prestigious company in order to build up a successful career.

WORK EXPERIENCE

October 2003 – June 2004 **Research & Development Intern**

Company: K-Lon Control S.A. (www.k-lon.com) an International engineering company specialised in building automation, control and management, with its headquarters in Seville.

Duties: brainstorming, design & development of a new series of controllers called KX-3000. Intensive use of LonWorks technology in order to control huge commercial surfaces like hypermarkets.

July – August 2005 **Freelance Website Designer & System Administrator**

Company: I.E.S. Albert Einstein (www.electricidadiae.com) is a 2000-student Technical High School in Seville.

Duties: hosting & domain management, website design involving PHP-based Drupal & MySQL databases. Network security, system administration, user accounts & quota management.

References available on request.

EDUCATION & QUALIFICATIONS

2005 – 2006 **MSc Analogue & Digital Integrated Circuit Design**

Imperial College London

(expected 2:1)

1999 – 2005 **Telecommunication Engineering & MSc Electronics for Communications**

Escuela Superior de Ingenieros. University of Seville

2:1 Final Year Thesis: “Design & Implementation of an FPGA-based Logic Analyzer”

(A+ with honours)

1995 – 1999 **“Título de Bachiller” (Spanish Technical Baccalaureate)**

I.E.S. Velázquez. Seville

A+ with honours

1986 – 1995 **“Graduado Escolar” (Spanish Primary School Certificate)**

French School. Seville

A+ with honours

EXTRA COURSES

- **“Linux Servers Administration Course”** – MultiTrain
- **“Advanced Powerpoint 2002 Course”** – MultiTrain
- **“A general overview in the Aerospatale industry”** – International University of Andalusia
- **“Marine slicks: Science & Technology in the Prestige issue”** – International University of Andalusia

LANGUAGE SKILLS

- **English:** fluent both oral & written
- **French:** fluent both oral & written
- **Spanish:** mother tongue
- **Japanese:** lower intermediate level (still studying)

- **Chinese:** currently studying

KNOWLEDGE

- **Designing Tools:** CADENCE, OrCAD, Electric, SPICE
- **Technologies & Programming Languages:** C/C++, Java 2, PHP, ASM, Delphi, VHDL, HTML, Matlab...
- **Programs:** Microsoft Office, Open Office, Emacs, Adobe Acrobat
- **Operating Systems:** Windows, Linux, Unix
- **Skills:**
 - FPGA-based hardware, electronic devices, integrated circuit, microwaves, MEMS, control systems, RF systems, analogue & digital filters & A/D converters design
 - IT, DSP, Networking, Data-mining, Data traffic, Fibre Optics, VoIP
 - Microprocessor & microcontroller programming
 - Financial, Business & Project Management
 - Teamwork, problem solving, commercial awareness, leadership & initiative.

OTHER DIPLOMAS & SKILLS

- **TOEFL.** 260 (computer-based). Prometric.
- **GRE.** Quantitative: 760, Verbal: 360, Analytical: 4.0 (computer-based). Prometric.
- **First Certificate of English.** University of Cambridge.
- **DELF** (French Language Studies Certificate). A1, A2, A3, A4. French Ministry of National Education.
- **Typing course** (60 wpm, 90% accuracy). Meca-rapid.
- **EU Driving licence** from December 1999. Full & clean. 100% available for travelling.

HOBBIES & INTERESTS

- IEEE member #41527708
- MENSA member # E-00691. Seville's Chairman
- ASCII member (Association for Innovation and Computer Knowledge)
- AGOA (Andalusian GO Association) Chairman, webmaster & certified Go Teacher
- Imperial College Japanese Society member
- **Cryptology.** I've designed a cryptographic system for digital signatures mathematically unbreakable
- **Programming:** I've implemented that cryptographic system in JAVA. That software will be used by ASCII for enciphering all its internet communications
- **Brainteasers and extremely difficult logic games:** I love to solve them and invent new ones. I have designed two logic board games. One of them is legally registered and have been studied by Gigamic (www.gigamic.com) for commercial purposes
- **Go:** Chinese game played by many million people around the world. It's the most difficult game in History, and the oldest yet played. Even Nobel-Awarded John F. Nash couldn't master it. My current level is UK 4kyu
- **International volunteer:**
 - Summer 1999: Calw (Germany). Gardener, bricklayer, painter.
 - Summer 2000: Wünstorf (Germany). Carpenter, painter.
 - Summer 2001: Melesses (Greece). Gardener, builder.

If interested, please contact me at carlosmorenoserrano@gmail.com

London, 21st February 2006