Resume

Marcos Ariel Chaparro

Personal information:

Address: Martín García 184, Punta Alta, Buenos Aires, Argentina
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Education:

University: Electronic Engineering,at U.T.N. - Bahía Blanca.
GPA: 7.57 over 10, one year to graduate
High School: "Bachiller con orientación Ciencias Naturales", Inst. José M. Estrada – Punta Alta. 2005.
GPA: 8.98 over 10

Experience

- Member of DIYEFI.org, designing hardware for the FreeEMS project, in charge of layout.
- Multiplatform GUI designer, with a basic webpage experience.
- Long time Debian GNU/Linux user, with experience in real time Linux kernels (preempt-rt and xenomai) and kernelspace hacking. Provided code for a WiFi module that is now in the Linux mainstream.
- C programming for ARM, Microchip PIC and dsPIC microcontrollers, and a bit of Freescale S12. Mostly hard real time projects, most of them using gcc.
- Qt4 framework, git version control, and Debian packaging.
- High performance computing using openMP, MPI, and Condor.
- Worked at the Hospital Naval Puerto Belgrano, repairing electromedical intruments and designing upgrades for the equipment of the lab.
- Worked at INVAP in aerospace and military projects.
- Hundreds of boards produced and assembled using SMT, including 2, 4 and 6 layer boards.
- Director of Mrk Industries.
- Used Verilog, Coocox, RAID1 setups, ssh, Neural networks, oxyacetylene welding and SMT reflow.
- Researcher at the "Grupo de Estudios de Bio-Ingeniería" (GEBI) in the Universidad Tecnológica Nacional.

Languages:

Spanish, native fluency
English, poor fluency, good written practice.

Publications:

2010: Co-author of the paper "Herramienta Computacional Para la Determinación de Mapas Electromagnéticos de Radiofrecuencias." N. Mata, P. Baldini, Ch. Galasso, M Chaparro, M Silva Bustos. Exposed at EMNUS 2010, UTN, FR Haedo.

Other activities:

2007: Development and testing of an Engine Management Sytem, intended to be an extremely cost-effective solution to replace carburetors.
2008: ACM-IBM international collegiate programming contest , representing the UTN FRBB at the Universidad de Buenos Aires.