

# Nicola Fontana

## Curriculum vitae

### WORK EXPERIENCE

JULY 2007 – PRESENT

eNTiDi software, Travagliato

#### *Management and development*

Software development for the industrial automation sector: configuration front-end in C with interface based on GTK+, web applications and sites on LAMP platforms grounded on the SilverStripe framework, supervisor programs in LabVIEW and remote system in Lua on GNU/Linux systems.

JANUARY 2002 – JUNE 2004

TEMA s.r.l., Travagliato

#### *PLC Omron development*

Development and testing of automatic and semi-automatic machines for ribbon winding on spools and rolls (safety belts, hook-and-loop tapes, elastic ribbon and bindings). Designing of electrical schematics on 2D cad and user manuals drafting.

OCTOBER 1998 – NOVEMBER 2001

TWINS s.r.l., Sarezzo

#### *PC and PLC Siemens development*

Programming, installation and trial of transfer machines for assembly, adjustment and testing of gas taps. Development and installation of PC based semiautomatic test stands for pneumatic and hydraulic leakage tests on valves, gas regulators, electrovalves, tanks and others.

SEPTEMBER 1996 – SEPTEMBER 1998

Elettronica EFFE-GI s.n.c., Cazzago

#### *PC and PLC Hitachi development*

Development of automatic machines in general, here included the design of electrical, pneumatic and hydraulic schematics on 2D cad and the PLC programming. Implementation of configuration and logging front-end using RS232 serial communications between PC and PLC-based transfer machines in BASIC, Pascal and C.

JANUARY 1994 – JUNE 1996

Seven Diesel s.p.a., Rovato

#### *Engineering department director*

Planning of nozzles for diesel engines and organization of production. Upgraded the management software by implementing a system for data handling and automatic drawing generation (in DXF) developed on the SuperBase 95 RAD tool.

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### EDUCATION

1988 – 1992 **Informatic engineer**

HIGH SCHOOL DIPLOMA  
ITIS Castelli, Brescia

1987 – 1988 **Classical gymnasium**

Seminario vescovile, Cremona

### PUBLIC PROJECTS

2012 **ntdisp ([ntdisp.entidi.com](http://ntdisp.entidi.com))**

Embedded devices programmer

2007 **tip ([tip.entidi.com](http://tip.entidi.com))**

PHP framework based on PEAR

2006 **adg ([adg.entidi.com](http://adg.entidi.com))**

Automatic drawing generation

2006 **gtk2panel ([gtk2panel.entidi.com](http://gtk2panel.entidi.com))**

Top panel menu in GTK+2

2004 **ntd ([ntd.entidi.com](http://ntd.entidi.com))**

General purpose libraries

### COMMUNICATION SKILLS

ITALIAN Native speaker

ENGLISH Oral: fair – Written: good

SPANISH Oral: good

### SOFTWARE SKILLS

GOOD LEVEL C, PHP, HTML, CSS, autotools, git, gcc, GTK+, GObject, shell, MS-DOS, Linux, ladder, G-Code

INTERMEDIATE Lua,  $\LaTeX$ , MySQL, VBA, cuBasic, pascal, subversion, LabVIEW

BASIC LEVEL Windows, FreeBSD, OpenIndiana, Postgres