

Name: **Rodolfo Turco**

Nationality: **Italian**

Phone: **0039 3484504760**

eMail: rudyturkisk@gmail.com

eMail: rodolfo.turco@turcotronics.it

Website: <https://www.turcotronics.it>

LinkedIn: <https://www.linkedin.com/in/rodolfo-turco>



PROFESSIONAL SUMMARY:

Several years of experience and passion on electronics, programming, Windows, Linux, Android, PLC, embedded systems, microcontrollers, renewable energies, mechatronics, astronomy.

SKILLS:

Firmware design, hardware design, embedded systems, software development, analog and digital electronics, electrotechnics, hydraulic systems, thermal conditioning, HVAC, mechatronics, industrial automation, home automation, renewable energy, robotics, education, maintenance, problem solving.

EDUCATION:

- Diploma in automatic electronics, Enrico Fermi Technical Institute, Syracuse, score 60 on 60
- Three year of informatics engineering, Pisa university, uncompleted five-year course
- Courses of Italian (native), English (fluent), France, Spanish, Russian and Chinese
- Microsoft C++, MFC short courses, Siemens educational
- Windows CE course, Microsoft, Siemens educational
- Courses on safety, first aid and fire prevention, Siemens, Tuscia university
- Solar thermal panels self-construction course, enthusiastic group about renewable energies
- Photovoltaic systems, 108 hour course, CIRSP CONSORTIUM, public training school
- Master Course in Artificial Intelligence & Deep Learning 3.0, udemy
- Technology Entrepreneurship, Lab to Market, HarvardX
- I wrote the book "SEO Marketing Synthesis"

KNOWLEDGE:

.NET, AI, Analog, Android, Apache, Arduino, ARM Cortex, Assembler, ATL, ATmega, Atmel, Audacity, Audio, Automation, BLE, Bluetooth, C, C++, CAD, CAN, ClearCase, CNC, COM, CRM, CVS, DCOM, Debian, Debug, Digital, Doxygen, EasyEDA, Eclipse, Electrical, Electronics, Embedded systems, Energy, ESP32, ESP8266, Excel, Fortran, FreeRTOS, FTP, GitHub, GPIO, Graphics, Hydraulics, HTML, HVAC, I2C, IoT, Java, JTAG, KiCAD, Linux, LVGL, Maintenance, MariaDB, MFC, Microchip, Modbus, MPLAB, MySQL, Office, openHAB, Oracle, PalmOS, Paradox PAL, Pascal, PHP, PIC, PLC, PMC, Posix, Pro*C, Profibus, Python, Raspberry, Real Time, Renewables, Robotics, RS-232, RS-485, RTOS, RTX, SEO, Serial, SQL, SQL Server, SourceSafe, SPI, STM32, STM32Cube, SWD, Thermal, TCL/TK, UART, Ubuntu, Unix, USB, Venturcom, Visual Basic, Visual Studio, Vtiger, Windows, Wireshark, wxWidgets, Zigbee.

WORK EXPERIENCE:

*** Hardware and firmware designer**

Turcotronics – from 01/November/2021 to now – Italy.

My own small company where I deal with hardware and firmware design on embedded systems.

Some of my products: Android apps; plastic melting machine; plastic filament machine; lamp showing pollution; pollution measurement wearable; remote and power control for an electric locomotion vehicle; wifi-controlled robot for carrying loads; ambient light measuring instrument.

*** IT manager and developer**

Sales Performance – from 01/November/2020 to 31/October/2021 – Italy.
HTML and PHP developer, Linux server, database and CRM management.

*** Management and maintenance**

Various customers – from 01/June/2009 to 30/October/2020 – Italy.
Management and maintenance of IT, electrical, HVAC, hydraulic and thermal systems.

*** R&D firmware and software developer**

Siemens – from 01/November/1997 to 29/December/2008 – Italy.
Development of a real-time industrial control software written in C. Development in C++ and Visual Basic an application for statistical process control (SPC, SQC) using Simatic IT and SQL Server; real-time processing and storage of industrial data flows. Technical assistance on site and on the plant for problems related to wiring, networks, electronics, PLC, remote I/O and programming.

*** Software developer and IT manager**

Sysdata Italia and ENEL – from 01/December/1996 to 30/November/1997 – Italy.
Systems activities in Unix and Windows environment and as a software developer in C / C++ on Unix and Windows NT; data transport program on an Ethernet network based on Oracle 7, database access.

*** Software developer**

ESA and IDS – from 01/April/1996 to 30/October/1996 – Italy.
I developed in the languages C, Fortran and TCL/TK software CAD for a microwave guide analyzer (FEST 2) in Unix environment.

*** Civil servant compulsory service**

Superintendence for Environmental, Architectural, Artistic and Historical Heritage - from 01/August/1995 to 30/July/1996 – Italy.
Duties related to computers, information technology and databases management.

*** Several other small experiences during my university studies**

Myself – from 01/June/1989 to 29/June/1996 – Italy.
I worked as a teacher and computer technician, designed, built and repaired electrical systems and electronic circuits; author of mechanics, hardware, freeware and open sources on PalmOS, Android, Linux, Windows and embedded systems.