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RICCARDO ERTOLUPI

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Electronics engineer mainly specialised in firmware and software development. Creative person and very passionate about technology in general. My professional goal is to create innovation.

PROFESSIONAL EXPERIENCE

Dec 2018 - Current	SMH Technologies Software and firmware engineer Universal In-System Programming platform for industrial uses
July 2014 – Current	Vicenza Thunders Founder Business developer Robotics and electronics
Jan 2015 – Current	PubliciThunder Founder Business developer Automated tools to foster online marketing on Twitter
Feb 2017 – Current	Soccerment SRL Consultant Development of wearable devices to analyse football performances
Nov 2014 – Nov 2017	Lumi Industries Consultant Development of the electronic components for 3D printers
Aug 2014 – Jan 2016	SpringLab Consultant Development of the electronic components for motorcyclists
July 2014 – May 2015	BT Research Consultant Development of the electronic components for drones

EDUCATION

Sep 2012 – Sep 2018	Bachelor's Degree - 87/110 Electronic Engineering Università Degli Studi di Padova, Padua (Italy) (details regarding the graduation thesis in the next page)
Sep 2007 – July 2012	Technical Certificate - 72/100 Electronics and Telecommunications I.T.I.S. "Alessandro Rossi", Vicenza (Italy) (details regarding the graduation thesis in the next page)

ACHIEVEMENTS

April 2012	Italian Champions ("as Vicenza Thunders") Winner in the "RoboCup jr Italia", "Soccer B Light Weight"
April 2011	Second National Team ("as Vicenza Thunders") Second in the "RoboCup jr Italia", "Soccer B Light Weight"
October 2014	Maker of Merit ("as Vicenza Thunders") Awarded with the "Maker of Merit" at the Maker Faire Rome

SELF-ASSESSMENT AND ADDITIONAL INFORMATION

LANGUAGES

Italian					
English					

TECHNICAL SKILLS

PC Hardware					
Microcontroller architecture					
Communication Protocols					
Microsoft Office package					
C/C++, Java, Kotlin, PHP					
JavaScript, HTML, CSS					
Android OS & Android apps					
Android Things OS					
Arduino					
AVR, PIC, ARM firmware					
GIT					
PCB design					
MatLab					
LabView					
PLC programming					
3D Printing (FDM)					
Laser cutting					
AutoCAD, SolidWorks					
Computational photography					
Graphic design					
Image editing					
Audio editing					
Video editing					

SOFT SKILLS

Time management					
Attention to details					
Autonomy					
Adaptability					
Problem Solving					
Creativity					
Initiative					
People management					
Public relations					
Client communication					
Mind openness					
Art & design					

BACHELOR'S DEGREE - THESIS

Development of a contact-less thermometer with a Bluetooth interface for Android smartphone. The system involves a temperature sensor, a Bluetooth Low Energy module, a STM32 microcontroller and an Android app.

TECHNICAL CERTIFICATE - THESIS

Development of two robots which play soccer using a ball containing some IR LEDs for the RoboCup Jr competition. The robots communicate with each other via Bluetooth and each one uses four omnidirectional wheels to move. They use many sensors of various kinds and many microcontrollers programmed using Arduino.

PUBLICATIONS

In February 2014, published in the magazine "Elettronica In" and in the blog "Open Electronics" the article "Hack your Valentine with HeartThrob" about a developed project.

In October 2014, published in the international blog "3D Printing Industry" an article written by Davide Sher entitled "Vicenza Thunders' 3D printed omnidirectional wheels win big at RoboCup", about the activity of the "Vicenza Thunders" team and, in particular, about the omnidirectional and mecanum wheels produced using 3D printing.

ADDITIONAL INFORMATION

In the document the "Vicenza Thunders" team is often mentioned, it is composed by Daniele Sprenggiaro and by the undersigned. Moreover, until July 2012, Daniele Zaccaria was also a member. More info about that are available in the website: VicenzaThunders.com
While, on my personal website, self-employed activities are described: LikeNoOther.it

More descriptive versions of this curriculum vitae are available in the following languages.
English : LikeNoOther.it/CV_RiccardoErtolupi_En.pdf - Italian : LikeNoOther.it/CV_RiccardoErtolupi_It.pdf
A dynamically updated version of this curriculum vitae is available: LikeNoOther.it/CV_RiccardoErtolupi.pdf

References available upon request

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