europass Curriculum vitae

PERSONAL INFORMATION

Enrico Tolotto

Via Vanzo N1

Motta di Livenza, 31045 TV.

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etolotto@gmail.com

Gender Male | Date of birth 17 November 1994

Nationality Italian

DESIRE POSITION

Electronic Engineer / Embedded Engineer

EDUCATION AND TRAINING

2013 – 2017

Bachelor's Degree in Electronic Engineering

BEng

University of Udine

Dissertation title:

LoRa and Internet Of Things:
Everyware Software as a Case Study.

- Telecommunications.
- Embedded Systems.
- Software development and analysis.
- Analog and Digital system design.
- High frequency circuit design.

September 2015 – June 2016

Erasmus

Sabanci University Turkey
https://www.sabanciuniv.edu/en

- Introduction to probability.
- Magnetic fields.
- Einstein relativity.
- Basic turkish.
- Microwaves.
- Electronic circuits.

2008–2013

Mechanical engineer

DSE

Istituto Tecnico Superiore A.Scarpa
Motta di Livenza

- Industrial design.
- Fluid-dynamics and Fluid machinery.
- Mechanics.
- Industrial system design and automation.

WORK EXPERIENCES

October 2017 – Present

Software developer Dave Embedded System

Dave (Italy)
33080 Porcia PN, Via Talponedo, 29
+39 0434 921215
www.dave.eu

- Development of custom Yocto Linux recipes and layers.
- Customization of the Android Open Source Project (AOSP).
- Linux kernel and U-boot porting for different SOM and boards based on the imx6 processors.
- Development of custom Linux drivers for different applications.
- U-boot bootloader customization in order to add more functionalities.

March 2017 – October 2017

Internship and thesis research

Eurotech (Italy)
33020 Amaro-UD, Via Fratelli Solari, 3/a
+39 0433.485.411
https://www.eurotech.com/en

- Designing and implementation of the LoRa hardware inside the IoT related platform ESF developed by Eurotech.
- Developing and testing an OSGi applet inside the Kura framework.
- Developing of some basic utility in the Go programming language.
- The acquaintance of the Mqtt protocol.

January 2012 – February 2012

Intern

Dema engineering (Italy)
31046 Oderzo-TV Via Garibaldi, 145
+39 0422 824040
https://www.dema-eng.com/en/

- Designing of the cooling system for molding chambers.
- Developing of molding mask for cars headlights and formwork.
- All the models were done with Catia software.

January 2011 – February 2011

Intern

Union Glass (Italy)
31045 Motta di Livenza TV, Via Istria
+39 0422 861235
https://www.unionglass.it/

- Developing of photovoltaic installations.
- Designing of protection glass for photovoltaic installations.

PERSONAL SKILLS AND COMPETENCE

Mother tongue: Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
France	A1	A1	A1	A1	A1
Turkish	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user – B1/B2: Independent user – C1/C2: Proficient user
Common European Framework of Reference (CEF) level

Communication skills

- During my Erasmus, I met a lot of new and exciting people coming from different backgrounds. This experience improved my communication skills and helped me to surpass my fears. On top of this, in the nine-month that I spent in Turkey I learned the basic of the Turkish language, which are essentials for living and communicating outside the University panorama.

Organisational / managerial skills

- During my high school career in mechanical engineer, one of my classmate and I built a Pulsejet as a final project. To complete this task, we had to face a lot of work schedule, and we spent a lot of time in engineering and testing all the parts needed for the project.
- Each course that I took in Erasmus required group work. Furthermore, I also helped in the organization of cultural events. Thanks to the combination of these activities, I have improved my organization and communication skills and also the ability to work schedule.

Job-related skills

- In my work occupation, I would like to enlarge my knowledge in low-level programming like driver or kernel modules. I'm also very interested in the IoT and LPWAN field. Technology like LoRa and Sigfox fascinate me, in addition to being the main topic of my dissertation. Also, I'm interested in all the electronics branches from telecommunications to analog and digital system design.

Digital skills

- Good knowledge with of office suite (Word, Excel, PowerPoint).
- Great knowledge of the *nix operating system like Linux and OpenBSD.
- Knowledge of various programming language like VHDL, C, C++, Java, Python, Matlab, Shell scripting, with a personal preference for pure C and Python.
- Vast knowledge in developing board like STM Nucleo and Discovery family also good skills in embedded systems (SBC).
- Good skills in 3D modeling and rendering with AutoCAD, SolidWorks and Catia.
- Knowledge of the most famous PCB and routing software like Orcad, ADS, EagelCad.
- ECDL certificate.

Additional informations

I like all kind of sports, in particular, tennis. I'm also a tech enthusiast and a DIY supporter. I'm active in the Makers and other communities, and I like to experiment in various field combining my electronics and programming skills.

Driving licence

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