

Michele Piffari

Freelance software engineer @QuanticInnovations



11 Settembre, 1996



Gromo, Bergamo



Professional Engineering License BG - sec. A - Numb. 4889



Personal portfolio



Italian citizenship



European driving license B

Contacts -



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Languages







Working Experiences

May 2018 -Now

Quantic Innovations

Actually working as external collaborator with role of developer and project management of projects related to mobile applications both for iOS and cross-platform. The applications developed is related to the management of BLE, BLE Mesh, USB and NFC communications towards electrification systems based on Modbus industrial protocol. At the same time I'm developing Windows App (based on winforms) on .NET framework: this apps are used as a configuration interface for custom low level embedded systems. I'm involved also in handling and managing AWS lambda and AWS IoT Core structure for an IoT project.

March 2016

Istituto comprensivo di Rovetta

Secondary school

I fellow, for a short period, the role of substitute teacher at the lower secondary school of Castione della Presolana, in the mathematical/scientific didactic areas.

2012 - 2017

Orobica Tecno Impianti

Chemical plant maintenance

This first experience helped me to get in touch with the dynamics of work and to learn some manually action, such as thinking, mounting and fixing pipe plants.

Education

Studies

2018 - 2021Master degree in Computer science

University of Bergamo

Grade: 110/110 with honors

During my master degree, I touched some different areas of the Computer Science area: from electronics to automatic control, passing through modeling and control of mechatronic and robotic systems. I also attended courses related to identification of models, analysis of data and the sphere of Artificial Intelligence with a relative part to IT Security.

2015 - 2018

Bachelor degree in Computer science

University of Bergamo

Grade: 103/110

The bachelor degree was characterized not only by solid training basic (mathematics, physics, chemistry), but also of in-depth studies in informatics (Informatics, Informatics 2, Databases and Web, Software Engineering) and in the areas of automation, electronics and networks telecommunication.

2010 - 2015

High school diploma as electronics

ISISS Valle Seriana

technician

Grade: 100/100

The five years study path, allowed me to acquire technical knowledge related to theoretical part of electronics and control. I made also experience on design and construction of electronic circuits, using laboratory instruments (Multimeters-Power supplies-Oscilloscopes-Function generators). In the last part of the studies, I acquired knowledge related to the Arduino platform and open source robotic systems.

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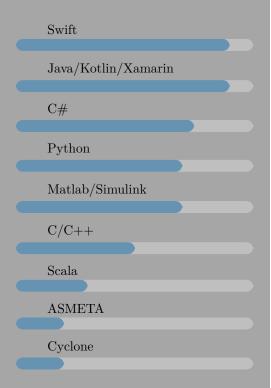
About me -

On March 2021 I have completed my master's studies at the faculty of computer engineering (LM-32) at the textbf University of Bergamo and I am pursuing a collaboration as textit software engineer at textbf Quantic Innovations.

This double path, which lasted about 3 years during studies, lead me to create now both professional skills and a sense of awareness that what I am doing is what actually arouses interest and curiosity in me and that I therefore always want to carry on, with greater determination.

In my free time I like to live an outdoor life, hiking and cycling on the mountains that surround me every day.

Code skills -



Technology skills

BLE	BLE Mesh		NFC
WinForms application		Open CV	
VSTS	Modbus		GitHub
$\mathrm{XML}/\mathrm{JSON}$		AW	S lambda
AWS IOT CO	re		

Summer School

Agosto 2019 Introduction to RL

SDU - Denmark Intensive 2 weeks course of Introduction to reinforcement learning for

robotics at Southern Denmark University - SDU.

Extra courses

HC-Lab3 Novembre University of Bergamo 2020 - Marzo Course lasting 6 months, which had the aim of promoting the culture 2021 of innovation and entrepreneurship in the context of Aging Population

and Silver Economy. This course allowed me to use some of the most common tools in entrepreneurship, such as Bussines Model Canvas,

and A/B Test.

Projects

2020-2021 Techniques for monitoring respiration University of Bergamo

during mechanical ventilation via an

artificial neural network

Analysis and research on how CNN is used as a support for the MVM

pulmonary respirator control cycle, in a context of adaptive ventilation.

2018 Setup of the control system of an University of Bergamoo

industrial manipulator robot

Analysis and research on how to use and set in motion an anthropomorphic manipulator of the ABB family (ABB IRB 120), using

proprietary software (RobotStudio).

2015 ISISS Valle Seriana

Realization of the In-Moov open-source robotic project as a presentation project for the oral exam.

Distinction

2011 - 2015	${ m Io~e~Lode}$	Confindustria Bergamo
	Participation for four consecutive years at proj	ect "Io e Lode"
Aprile 2015	Alfieri del Lavoro	Milano
	Conference Alfieri del Lavoro: "Ripartire dal sa	apere per far ripartire
	il paese" – sala Montanelli "Corriere della Sera	" site – 11 aprile 2015
2014	Media istituto	ISISS Valle Seriana
	Best average grade of all school during A.S. 13	/14
2014	Electronics competition	Brescia
	Take part to National electronics competition.	

October 16, 2024

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I authorize the processing of personal data contained in my curriculum vitae exclusively in the context of the procedure for which this declaration is made, based on art. 13 of Legislative Decree 196/2003 and art. 13 of EU Regulation 2016/679 concerning the protection of individuals with regard to the processing of personal data.