MICHELE PERRONE



Programmer, musician, audio and open source enthusiast

CONTACT

perrone.michele@outlook.com

**** +39 377 115 7076

Milan

@michele-perrone

in Michele Perrone

SKILLS

Programming C C++ Python C# Java HTML/CSS/Js LaTeX

Operating Systems

GNU/Linux
Windows
MacOS

Integrated Development Environments

QtCreator, STM32 Cube IDE, Visual Studio

Languages

Italian	00000
Czech	00000
Slovenian	00000
English	00000
Russian	0000
Croatian	••••

WORK EXPERIENCE

Dec. 2020 - Jun. 2021STMicroelectronics Italia

Research and Development Intern

I worked as an intern in System Research and Applications. My job was to design tiny neural network architectures for microcontroller applications focused on direction of arrival solutions with non-uniform antenna arrays.

EDUCATION

2020 - current

Politecnico di Milano (Italy)

Master of Science

Music and Acoustic Engineering

2017 - 2020

♥ University od Maribor (Slovenia) Bachelor of Science

Computer Science and Information Technologies

Bachelor Thesis: "An Overview of Selected Pseudo-Stereophonic Techniques" Thesis grade 10/10

2013 - 2015

♀ University of Udine (Italy)

Electronic Engineering

Nine exams taken: General Physics I, General Physics II, English Language Test (B2), Basic Mathematics, Mathematical Analysis I, Linear Algebra, Methologies of Logic Synthesis, Operations of Computer Systems, Fundamentals of Computer Programming

2008 - 2013

♥ Classical Lyceum "Paolo Diacono", Cividale del Friuli (Italy) **High School Diploma**

Classical Diploma

Final grade 92/100

COMPLEMENTARY EDUCATION

2002 - 2016

♥ Music School "Glasbena Matica", Trieste (Italy)

Three exams taken at the Conservatory of Music "Jacopo Tomadini", Udine:

- 2013: Level I pre-academic exam, opera singing
- 2012: Level II pre-academic exam, piano
- 2011: Music theory and Solfeggio Licence

GENERAL SKILLS AND AREAS OF INTEREST

Problem-solving Team Working Creativity

GNU/Linux Operating Systems Digital Signal Processing

Embedded Systems Machine Learning Opera Singing

Piano Languages Analog Photography

PUBLICATIONS

Constrained Neural Estimation of Bluetooth Direction of Arrival with Non-Uniform Arrays M. Perrone, D.P. Pau, N.I. Piazzese ₩ 2022 **■** IEEE International Conference on Consumer Electronics (ICCE) % In Press Dataset for Bluetooth 5.1 Direction of Arrival with non Uniform Rectangular Arrays N.I. Piazzese, M. Perrone, D.P. Pau ₩ 2021 ScienceDirect Elsevier - Data in Brief % DOI An Overview of Selected Pseudo-Stereophonic Techniques M. Perrone ₩ 2020 COBISS, Bachelor Thesis DKUM **Passive Floating Probe** M. Perrone, U. Knupleš, M. Žalik, V. Keršič, T. Šinko **≘** 2019 ■ Proceedings of of the 2019 6th Student Computer Science Research Conference % ISBN, DOI