

# Federico Vittorio Lupo

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Via Fondo Cicala, 65 Carini (PA), 90044, Italy

## Master of Science in Electronic Engineering

### *Education*

**Master's Degree in Electronic Engineering** (2018-2020), UNIVERSITY OF PALERMO, Italy

Full mark with honors and Academic Mention

THESIS: DESIGN AND REALIZATION OF A MEMRISTOR CHARACTERIZATION SYSTEM

**Bachelor Degree in Electronic Engineering** (2015-2018), UNIVERSITY OF PALERMO, Italy

THESIS: DESIGN AND REALIZATION OF AN OPTICAL PICKUP FOR STRING INSTRUMENTS

### *Personal skills and competences*

#### Languages

Mother tongue: **Italian**

Other languages:

Languages	Understanding		Speaking		Writing
	<i>Listening</i>	<i>Reading</i>	<i>Spoken interaction</i>	<i>Spoken production</i>	
<b>English</b>	<b>C1</b>	<b>C1</b>	<b>B2</b>	<b>B2</b>	<b>B2</b>
<b>Spanish</b>	<b>A2</b>	<b>A2</b>	<b>A1</b>	<b>A1</b>	<b>A1</b>

*Common European Framework of Reference for Languages*

#### Technical skills and competences

**Lab equipment skills:** voltmeter, ammeter, analogue and digital oscilloscope, function generator, analogue and digital spectrum analyzer, microprobe station.

Soldering skills in PTH and SMD technologies. Manual PCB routing skills. Management, printing and maintenance skill for 3D printers.

#### Computer skills and competences

**Programming languages:** C, C++, Qt C++ Framework, Java, AVR Assembly, Xilinx VHDL,  $\LaTeX$ .

**Software skills:** MicroCAP (SPICE), AWR Design Environment, LabVIEW, Atmel Studio, Atollic TrueSTUDIO, STM32CubeIDE, Qt Creator, Eagle CAD, KiCAD, Autodesk Fusion, Ultimaker Cura, Microsoft Office.

**Known operating systems:** Windows, Mac OS, Linux(Debian, Ubuntu, Linux Mint, OpenSUSE, Raspberry OS).

#### Artistic skills and competences

**Interactive audiovisual content software skills:** Unreal Engine 4, UDK (Unreal Engine 3), Godot Engine.

**Audiovisual content software skills:** Adobe Premiere Pro, DaVinci Resolve.

**Visual content software skills:** Adobe Photoshop, Inkscape, Gimp.

**Audio content software skills:** Ableton Live.

## **Other skills and competences**

Italian driving licence.