



Riccardo Puleo

Date of birth: 21/02/1997 | **Nationality:** Italian | **Gender:** Male | **Phone number:** (+39) 3924469532 (Mobile) | **Email address:** ricapuleo@gmail.com | **Address:** Via Silvano Franzolin 22, 90147, Palermo, Italy (Home)

WORK EXPERIENCE

10/02/2022 – 10/08/2022 Carini
DESIGN ENGINEER CMC CARINI SRL

Use of Autocad and ZW3D software for:

- Prototype design and drawing.
- Design and drawing of carpentry components, naval components, and railway components.
- Creation of CAD formats for laser cutting.
- Creation of drawings for the bending and welding phase of the prototypes.

Other skills acquired:

- Interaction with the production and management department
- production of the designed components.
- Interaction with customers during prototype development.
- Control of conformity of the pieces produced.
- Creation of delivery notes and packing lists.
- Dynamicity.

03/2021 – 07/2021 Palermo, Italy
INTERN UNIVERSITÀ DEGLI STUDI DI PALERMO

- Welding using the "Friction Stir Welding" technique between dissimilar aluminium alloys with the aid of powders as reinforcement.
- Metallographic analysis.
- Cutting tests.

Address Viale delle Scienze, building 8, Palermo, Italy, Palermo, Italy

EDUCATION AND TRAINING

12/01/2024 – 31/08/2024 Ann Arbor, United States
PHD (EXCHANGE SCHOLAR) - UNIVERSITY OF MICHIGAN University of Michigan

Website <https://umich.edu/>

01/11/2022 – CURRENT Palermo, Italy
PHD - MECHANICAL, MANUFACTURING, MANAGEMENT AND AEROSPACE INNOVATION
University of Palermo

The main topic of my thesis is the recycling of metal scraps through solid bonding processes. Examples of that are the friction stir consolidation and friction stir extrusion processes. The study of the bonding occurrence is carried out using numerical simulation (applied for these processes) together with multiple experimental campaigns.

Thesis Computer-aided engineering for solid bonding processes between dissimilar metals

17/11/2021 – CURRENT Palermo, Italy
QUALIFICATION FOR THE PROFESSION OF ENGINEER, INDUSTRIAL SECTOR - SECTION A
University of Palermo

2019 – 2021 Palermo, Italy

MASTER DEGREE University of Palermo

Address Viale delle Scienze, building 8, Palermo, Italy Palemo, Palermo, Italy | **Final grade** summa cum laude |

Thesis Creation of hybrid joints in A.M.M.C for naval applications

2016 – 2019 Palemo, Italy

BACHELOR'S DEGREE University of Palermo

Address Viale delle Scienze, building 8, Palermo, Italy, Palemo, Italy |

Thesis Numerical simulation on clinching and self-piercing riveting procesess for composite metallic materials

2010 – 2015 Palermo, Italy

HIGH SCHOOL SCIENTIFIC DIPLOMA Liceo Scientifico Statale Galileo Galilei

Address Via Danimarca 54, Palermo, Italy, Palermo, Italy

● **LANGUAGE SKILLS**

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **PUBLICATIONS**

2023

[**Solid onding riterion esign for aluminum chips recycling through friction stir consolidation**](#)

2023

[**An insight into Friction Stir Consolidation Process mechanics through Advanced Numerical model development**](#)

● **DRIVING LICENCE**

Driving Licence: B

● **HONOURS AND AWARDS**

24/10/2021

CSWA - Certified Solidwork Associate - Mechanical Design – Dassault Systèmes

Use of Solidwork software in the following areas:

Drawing skills:

- Section

Creating and editing a part:

- Sketching techniques
- Extrusion
- Extruded cut
- Changing the main dimensions

- Circular repetition
- Sketch offset
- Other complex geometric modifications

Creation of an assembly:

- Positioning of the base part
- Pairings
- Changing the main parameters of an assembly

Link <https://cv.virtualtester.com/qr/?b=SLDWRKS&i=C-93PYU8SCBL>

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Comunication and interpersonal skills

- I am able to work optimally in groups and collaborate with other people.
- I am able to establish a good relationship with the people that surround me.