

RICCARDO TAMBONE

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in riccardotambone



SUMMARY

I am a fresh graduate in [Materials Science](#). I consider myself professional, capable and determined. My goal is to apply the knowledge acquired during my university studies to the fields of research and development, in a stimulating work environment that allows me to continuously improve.

EDUCATION

Master's Degree in Materials Science

Università di Milano-Bicocca

October 2018 – November 2020 Milan

- 110/110 con lode (Summa Cum Laude)
- Thesis title: *Study of Formation and Electronic Structure of [GaAs/AlGaAs](#) Quantum Dots for Infrared Photodetectors*
Supervisor: Stefano Sanguinetti
- Competence acquired: multidisciplinary background, across chemistry and physics, with skills for designing new advanced materials and with a specific view to the sustainability of processes, materials, and technologies. During this master course I got interested and I developed my path mainly in the field of [physics of semiconductors and physics of surfaces and interfaces with a particular interest in the epitaxial growth](#).

Bachelor's Degree in Materials Science

Università di Milano-Bicocca

October 2015 – October 2018 Milan

- 110/110 con lode (Summa Cum Laude)
- Thesis title: *Dewetting processes on thin films*
Supervisor: Francesco Montalenti

EXPERIENCE

Project engineer

Antares s.c.a.r.l.

November 2020 – Ongoing Milano

- I took part in some research projects (MUSICA and HYPERMAT) for the development of satellites for earth remote sensing hyperspectral analysis.
- My contribution focused mainly on:
 - Trade off and feasibility analysis
 - Study of a readout electronics for IR photodetector
 - Implementation of compressive sensing algorithms, adapting them to our use
- Competence acquired:
Here I learnt to [manage a project autonomously](#), following the deadlines and interacting with different partners. I [improved my knowledge in the basic electronics](#), learning to correctly read datasheets of different components and to use software as Simulink and Kicad. I have deepened my knowledge in the aerospace field, regarding the needs, problems and components needed for satellites.

MOST PROUD OF



Graduated with honors
from University of Milano-Bicocca

IT SKILLS

Advanced knowledge:

Matlab Excel MS Office
Windows OriginLab Scilab
TiberCAD

Basic knowledge:

C++ Python OpenCascade
Simulink KiCAD

LANGUAGES

Italian ●●●●●
Mother tongue

English ●●●●●

IELTS

TRF: 20IT005933TAMR010A
Reading: 9 (C2)
listening: 8 (C1)
speaking: 6 (B2)
writing: 6 (B2)

[Experience](#) in communicating in international environment using English as a lingua franca.

STRENGTHS



Time management
Being part of projects with mid-long term deadline and working from home allowed me to develop a strong ability in time management.



Communication skills
During my thesis and in Antares, I could interact with different professional figures both in Italian and English.

Thesis Internship

Laboratory for Nanostructure Epitaxy and Spintronics on Silicon (LNESS)

📅 February 2020 – November 2020 📍 Como

- **Topic:** Growth and characterization of GaAs/AlGaAs nanostructured materials.
- This internship was done during the master thesis and gave me the opportunity to work in a laboratory with a unique concentration of research infrastructure. I had the opportunity to use different instruments, mainly [MBE and AFM](#), and [TCAD tools](#) (TiberCAD). I also experienced team work in an [international environment](#) with a multidisciplinary approach and with [English as a working language](#).

Occasional works

📍 [La Ca' Lesmo](#) 📅 2015-2018

At first as a waiter and then as a cashier. Here I learnt, among other things, to [manage stressful situations](#).

📍 [Progettofoto&didattica](#) 📅 2018-2020

- Private lessons in scientific subjects to high school students
- General school support for middle school students

Here I learnt to interface with different people to [explain complex concepts more clearly](#).

LICENSURES AND CERTIFICATIONS

IELTS Academic - Band Score 7.5

[IELTS](#)

📅 October 2020

First aid training

[Croce Rossa Italiana](#)

📅 March 2019 – May 2019 📍 Paderno Dugnano (Mi)

Training course

[Politecnico di Milano](#)

📅 2020 📍 Milan

▸ Corso online Privacy e GDPR	06/06/2020
▸ Rischio chimico	19/02/2020
▸ Formazione specifica per lavoratori - basso rischio	05/02/2020
▸ Corso Base sulla Sicurezza - 'FormazioneGenerale'	05/02/2020

PUBLICATIONS AND APPEARANCES

- "Nucleation of Ga Droplets Self-Assembly on GaAs(111)A Substrates", 2021.



Team worker

In my work experiences, I had the opportunity to employ my specific knowledge in a work group in order to achieve complex goals.

HOBBIES



Hiking



Watching films



Listening to music and playing drums

I hereby authorize the use of my personal data in accordance to the GDPR 679/16 - "European regulation on the protection of personal data".