



GIANLUCA TORTA

CURRICULUM VITAE



Date of birth / 08/07/1995 Age / 27
 Place of birth / FANO (PU)
 Nationality/ citizenship / Italy
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FOREIGN LANGUAGE SKILLS

MOTHER TONGUE(S): Italian



ENGLISH GOOD
 B2 B2 B2 B2 B2



WORK EXPERIENCES

R&D UNIVERSITÀ DEGLI STUDI DI BOLOGNA - ALMA MATER STUDIORUM

Chemistry
 BOLOGNA (BO)
 03/2019 - 10/2019

Main activities and responsibilities: Synthesis of organic compounds, purification and their characterization using instruments such as HPLC, NMR, UV-Vis spectroscopy.
Acquired skills and achieved objectives: Ability to independently manage a synthesis, use of instruments such as HPLC, NMR, UV-Vis spectroscopy
 Employed as: intern/trainee - undergraduate internship | Company sector: R&D and patents

Undergraduate Internship LABORATORIO ARCA DI FANO

Chemistry
 FANO (PU)
 04/2017 - 06/2017

Main activities and responsibilities: Analysis of environmental samples: liquid waste, solid waste, waste water, drinking water, chimney filters. Instruments used: Ion chromatography, ICP, spectrophotometer, conductivity meter, pH-meter.
Acquired skills and achieved objectives: Ability to independently carry out laboratory analyzes such as the determination of the concentration of heavy metals by acid digestion and subsequent analysis with ICP, COD analysis by titration or spectrophotometry, water potability, ammonia, nitrite and surfactant content in wastewater.
 Employed as: intern/trainee - undergraduate internship | Company sector: Manufacturing



ACADEMIC STUDIES

PH.D. 2020 - 2024 ONGOING STUDIES



Alma Mater Studiorum - Università di Bologna
Future of the earths, climate change and societal challenges
 PhD cycle: 36
 Expected graduation date: 03/2024

MASTER'S DEGREE 2017 - 2019 CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
Industrial chemistry
 specific field of the degree course: chimica industriale
 LM-71 - 2nd level degree in Industrial chemistry and related technologies
 Dissertation/thesis title: Preliminary study of the photochemical racemization reaction of alkylidenoxyndoles | Dissertation/thesis subject: Chimica organica | Thesis supervisor: BENCIVENNI GIORGIO
 Age at graduation: 24 | Official duration: 2 years
 Final degree mark: **110/110 cum laude**
 Graduation date: 25/10/2019

BACHELOR'S DEGREE 2014 - 2017 CERTIFIED TITLE



Alma Mater Studiorum - Università di Bologna
Scuola di Scienze
Chemistry and technologies for the environment and for materials
 specific field of the degree course: curriculum: ambiente, energia, rifiuti
 L-27 - 1st level degree in Chemistry
 Dissertation/thesis title: Analysis of trace metals in environmental matrices by FAAS, GFAAS, ICP-AES | Dissertation/thesis subject: CHIMICA DELL'AMBIENTE | Thesis supervisor: VASSURA IVANO
 Age at graduation: 22 | Official duration: 3 years



INFORMATION TECHNOLOGY SKILLS

OFFICE AUTOMATION

Office Suite: (Advanced) | **Presentation Software:** (Advanced) | **Spreadsheets:** (Advanced) | **Web Browser:** (Advanced) | **Word Processors:** (Advanced)



PROFESSIONAL ACCOLADES AND AWARDS

PRIZE

12/12/2018

Premio cultura d'impresa 2018

The director of Uni.Rimini Lorenzo Succi, together with the coordinators of the Degree Courses active at the Rimini university, presented the awards to 9 companies that distinguished themselves for training internship projects and collaborations with the Degree courses, and to 11 new - graduates particularly deserving for their thesis work.

AWARD / SCOLARSHIP

01/08/2017

Bando di concorso Premi di studio a favore di studenti meritevoli per studenti iscritti nell'a.a.2016/2017

The Alma Mater Studiorum - University of Bologna, in order to enhance the merit of its students, establishes a competition for the assignment of n. 277 prizes of the amount of 1,500 euros each (gross of withholding taxes and charges borne by the institution), intended for students enrolled in the 2016/2017 academic year in a course of study at the University of Bologna are distinguished by merit in previous academic years.

AWARD / SCOLARSHIP

01/08/2016

Bando di concorso per l'assegnazione di Premi di studio a favore di studenti meritevoli iscritti nell'a.a.2015/2016

The Alma Mater Studiorum - University of Bologna, in order to enhance the merit of its students, establishes a competition for the assignment of n. 219 awards, thanks to the contribution of the Fondazione del Monte di Bologna and Ravenna. The prizes, amounting to 1,500 euros each, are intended for students enrolled in the 2015/2016 academic year in a course of study at the University of Bologna who have distinguished themselves by merit in previous academic years.

AWARD / SCOLARSHIP

2015

Bando di concorso per n. 6 Premi di studio per la frequenza del Corso di Laurea in Chimica e Tecnologie per l' Ambiente

Competition announcement for n. 6 Study awards for attendance of the Degree Course in Chemistry and Technologies for the Environment and for Materials, Environment, Energy, Waste curriculum - (Rimini branch) thanks to the contribution of the 'Ing. Toso Montanari' and the companies Hera, Rimini Fiera and L.A.V.
Grading in list: 1



CONFERENCES AND SEMINARS

CONFERENCES

17/02/2023

IRTC2023- Raw materials for a sustainable future , Lille, France

Character: Speaker

www.irtc-conference.org/program/

WORKSHOPS

06/12/2022

2nd Seminar Valomag project , Delft, Netherlands

Character: Participant

www.valomag.tudelft.nl/wp-content/uploads/2022/...

LECTURES

21/11/2022

HydroMetEC- Advance course , Athens, Greece

Character: Participant

www.ntnu.edu/metpro/hydrometec

WORKSHOPS

SusCritMat , Delft, Netherlands

09/06/2022

Character: Participant
www.suscritmat.eu/mooc-summer-seminar/

CONFERENCES

20/05/2022

SUM2022-SIXTH SYMPOSIUM ON CIRCULAR ECONOMY AND URBAN MINING, Capri, Italy

Character: Speaker and expert
www.sumsymposium.it/

LECTURES

03/05/2022

HydroMetEC course - Introductory course, Helsinki, Finland

Character: Participant
www.ntnu.edu/metpro/hydrometec



PUBLICATIONS

OTHER

2022

Elena Dusi, Gianluca Torta: 'Tra i rifiuti c'è un giacimento di terre rare. E io lo raggiungerò'

Other: La Repubblica
www.repubblica.it/cronaca/2022/08/26/news/riciclo...

JOURNAL ARTICLES

2022

Virginia Gewin, Dumpster diver: how I find rare-earth metals in industrial landfill

Review: Nature 608, 640 (2022)

Publisher: Nature

PhD student Gianluca Torta contributes to green recycling by extracting rare-earth metals from industrial landfill for reuse in electric motors.

www.nature.com/articles/d41586-022-02192-y



ADDITIONAL INFORMATION

In my spare time I regularly play sports. I currently practice athletics and crossfit. I like to read science-themed books mainly concerning physics and chemistry.