



Davide Carrea

Date of birth:

Nationality: Italian

CONTACT



WORK EXPERIENCE

01/03/2024 – 30/06/2024 Genova, Italy

Research assistant in university Colombara Group

This activity is the prosecution of the project initiated during my master thesis. I have been using potentiometric titrations, scanning electron microscopy, cyclic voltammetry and coulometry to synthesize and characterize sustainable Indium (In) electrolytes.

- Laboratory tester
- Data analyst

12/2022 – 02/2024 Genova, Italy

Research Trainee Colombara, University of Genoa

Research on new sustainable electrolytes and electroplating technique concerning copper (Cu) thin films for "REMAP" solar cell European project. During this research, I had the opportunity to use various electrochemical techniques and instruments: cyclic voltammetry, linear sweep voltammetry, chronoamperometry, chronopotentiometry, rotating disk electrodes, impedance spectroscopy, coulometry.

05/07/2021 – 20/11/2021 Genova, Italy

Research Trainee Giovannini, University of Genoa

Research of new intermetallic compounds in the Ce-Cu-Mg ternary system. During this research, I had the opportunity to use scanning electron microscopy, optical microscopy and X-ray diffraction techniques to perform metallographic characterizations. Such characterizations were performed on intermetallic specimens synthesized via direct reaction in a crucible.

2019 – 2019 Genova, Italy

Scientific communicator Festival della Scienza

2020 – 2020 Genova, Italy

Scientific communicator Festival della Scienza

EDUCATION AND TRAINING

10/2021 – 02/2024 Genova, Italy

M.Sc "Solid State Chemistry applied to Materials and Energy" University of Genoa

Final grade 110/110

09/2018 – 12/2021 Genova, Italy

B.Sc "Chemistry and Chemical Technologies" University of Genoa

Final grade 107/110

2013 – 2018 Genova, Italy

Scientific high school diploma Liceo Scientifico Luigi Lanfranconi

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

Other language(s):

English

Listening C1

Spoken production B2

Reading C2

Spoken interaction C1

Writing B2

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

DIGITAL SKILLS

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Basic knowledge of C and Matlab

DRIVING LICENCE

● **Driving Licence:** B

HONOURS AND AWARDS

2019 University of Genoa

● **First grade scholarship**

2018 Corriere di Taranto

● **journalism award "Giornalista per un giorno"**

Scholastic journalism award

2017 Corriere di Taranto

● **journalism award "Giornalista per un giorno"**

Scholastic journalism award

HOBBIES AND INTERESTS

● **Chess**

● **Rugby**

Semi-professional, played in childhood and adolescence

CONFERENCES AND SEMINARS

04/04/2024 - 05/04/2024 Torino

● **GIFC**

I participated to the "Giornate Italo-Francesi di Chimica" in Turin, where i presented a poster.

<https://re-map.eu/highlights/17157/>

Link <https://re-map.eu/highlights/17157/>

24/06/2024 - 28/06/2024 Rome

● **SYNC**

I participated to the "Symposium for Young Chemists" in Rome, where i presented a poster