

Curriculum vitae of Edoardo Martinero



Personal information

Name: Edoardo Surname: Martinero
Address: Volvera Street nr. 5, CAP 10141, Turin
Phone: +39 3756312768
E-mails: academic: edo.martinero@wur.nl personal: edo.nero@gmail.com
LinkedIn: <https://www.linkedin.com/in/edoardomartinero/>
Date and place of birth: 02/06/1996, Turin
Nationality: Italian

Profile

Fervent student excellent at problem-solving, driven by the will of integrating innovative technologies into the development of sustainable production processes. Solid knowledge of the practical application of engineering science and technology. Able to manage multiple projects and meet critical deadlines. Quick in learning and able to work tirelessly with computer programs. Looking for an internship that gives the opportunity to develop unconventional procedures focusing on resource recovery or automated management.

Education

- 09/2021-present **Master's Degree in Biosystems Engineering – Track: Environmental Technology**
At Wageningen University&Research, Netherlands
Passed all the courses. Currently writing thesis on energy storage arbitrage optimisation through novel approach with Deep Reinforcement Learning. Looking for an internship for a.y. 2024/2025.
- 09/2020-09/2021 **Master's Degree in Agricultural Sciences and Technologies – Track: Smart Agriculture**
At Turin University, Italy
Passed the selection process for admission. Attended courses regarding agricultural policy, geomatics for agriculture, management, and protection of water resources. Learned how to use GIS softwares.
- 09/2019-07/2020 **Enrolled in the Bachelor's Degree in Agricultural sciences and Technologies***
At Turin University, Italy
Attended most of the courses. Gained a total of 30 ECTS* to reach the minimum requirements for the enrolment in a master concerning Agricultural Sciences.
- Attended courses of the Master's Degrees in:**
- 02/2019-07/2019 **Energy Engineering* - Track: Design and Management of Energy Systems**
- 09/2018-02/2019 **Chemical and Sustainable Process Engineering* - Track: Process Design and Development**
At the Polytechnic University of Turin, Italy
Relevant courses for my growth taught me about renewable energy sources, thermal design optimization, numerical calculation methods, industrial chemistry, and process simulation. Learned how to use Python, Polysun, Comsol, Gromacs, Linux, virtual machines, Matlab, and Aspen programs.
- 09/2015-07/2018 **Bachelor's Degree in Energy Engineering* - achieved**
At the Polytechnic University of Turin
Thesis: Sealing materials for SOFC - Criticalities related to the interface with metal connectors. Final grade: 96/110 – Weighted average of marks: 25.2/30
- 09/2010-06/2015 **Scientific High school Diploma - achieved**
At Alessandro Volta high school, in Turin
Exp. track - Natural Science: more hours/week of computer science and science laboratories

Awards/Certificates

03/2020-06/2020 MOOC courses*

- *Biorefinery: From Biomass to Building Blocks of Biobased Products* on EdX, held by WUR
- *Catalytic Conversions for Biobased Chemicals and Products* on EdX, held by WUR
- *As above, so below: An introduction to soils, ecosystems and livelihoods in the Tropics* on EdX, held by KU
- *BIM Fundamentals for Engineers* on Coursera, held by NTU
- *BIM Application for Engineers* on Coursera, held by NTU

* More information about the marked words can be given through certificates which can be made available upon request.

Work experience

- 2015-2020 **Tuition for high school students and undergraduates**
In Turin
Disciplines: Physics, Mathematics, Geometry Analysis.
Skills acquired: **Communication** and **Conflict Resolution**.
- 10/2017-02/2018 **Part-time collaboration worker (200h/y)**
At Edisu, regional body for the right to University study of Piedmont
Activities: Counter service to academic personal for card-related problems and machines maintenance support. Skills acquired: **Problem-solving** and **Multi-tasking**.

Extra-curricular activities

- 02/2018-12/2018 **Course on Organic farming**
At Hiroshima Mon Amour, organised by the municipality of Turin
Activities: Setting up and maintenance of an urban garden with a sustainable approach accompanied by lessons. Skills acquired: **Teamwork** and **Responsibility**.
- 10/2016-10/2018 **Lifeguard licence**
At Acquatica, organised by the municipality of Turin
Knowledge of the main rescue and reviving practices.
Skills acquired: **Self-reliance** and **Integrity**.
- 08/2012-09/2012 **International Exchange "Learn to live in nature"**
In Pecs, Hungary
Helper in all kind of activities on a typical Hungarian farm.
Skills acquired: **Adaptability**, **Time management** and **Initiative**.
- 2001-2016 **Agonistic swimmer**
At E.S.L., in Turin
Six training per week, also enriched with gym and morning swims. Participated in many competitions. Skills acquired: **Perseverance** and **Coach ability**.

Skills (Technical & Social)

Languages:

Italian:	Native language				
English:	Fluent - IELTS Academic certificate:				
CEFR Level: C1	Listening: 7.5 Reading: 7.5 Writing: 6.0	Speaking: 6.5	Overall Band Score: 7.0		

IT skills:

Quantitative analysis:	<i>MS Office et al.</i>	Process design:	<i>Aspen et al.</i>
Modeling/ Compositing:	<i>Autodesk et al.</i>	Programming	Python, C++, et sim.
Computational simulation:	<i>Comsol et sim.</i>	Literature research:	Patents, sc. papers, etc.
Hardware knowledge:	<i>Arduino, PC funct.</i>	Free Open Source Softwares:	Linux, Github, Blender

Lab skills:

- Hands-on experience on Aquaculture, Microalgae, and Hydroponics systems achieved through practical during different courses at WUR, where latest technologies and methods have been apprehended thoroughly.
- Attended **laboratory safety course** at the Polytechnic University of Turin. Particular **attention to detail** and **knowledge of common security measures** have been consequently gained.
- Matured hand-on **experience in measuring pH and EC** of different substrates, **administering nutrients** to various plants, and **monitoring climatic conditions**, thanks to the construction and the maintenance of a hydroponics system. Hence, excellent **skills of pipetting and weighing** have been acquired, along with the best **techniques to sterilize laboratory equipment**.
- Theoretical knowledge of the main **molecular biology techniques** and the major **methodologies for practicing immunoassays**, along with the main **tools and equipment required**, learned from the agricultural microbiology and agricultural chemistry courses.

Additional information

Hobbies: Accordion player - Ju-Tai-Jutsu practitioner - Grower – FOSS lover – Drawing – Game design – Exc. Cook
Drivers Licence: in possession of categories AM and B, taken in 2017.
Willing to move and to travel on business. Available upon request.