

Adinolfi Borea Riccardo

Modena, Italy, 08/07/1997

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EDUCATION

PhD. Candidate, Università Degli Studi Di Bologna

Photovoltaic

Thesis title: Solar cells technologies and lifecycle

Bologna, Italy

11/2022 – present

Master Degree, Università Degli Studi Di Bologna

Energetic Engineering

Thesis title: Experimental investigation on working parameters of a thermoelectric generator-based System

Thesis subject: Energy harvesting from a temperature difference – Thesis Advisor: Prof. Bianchi Michele

Final Grade: 110/110 with honors (GPA: 29.31/30)

Bologna, Italy

09/2019 – 03/2022

Master Degree, Universidade De Coimbra

Energy for Sustainability

Relevant courses: Energy planning for sustainable development, Renewable energy systems, Policies for energy market transformation

Coimbra, Portugal

01/2021 – 07/2021

Bachelor Degree, Università Di Modena e Reggio-Emilia

Civil and Environmental Engineering, Environmental

Thesis title: Use of distillation heads in Direct Methanol Fuel-Cells

Thesis subject: Energy harvesting from distillation wastes- Thesis Advisor: Prof. Romagnoli Marcello

Final Grade: 105/110 (GPA: 27.19/30)

Modena, Italy

09/2016 – 10/2019

Diploma, I.T.I.S. Enrico Fermi

Chemical technician

Relevant courses: Chemistry technologies, Analytical chemistry (+ lab.), Organic chemistry (+ lab.)

Final Grade: 72/100

Modena, Italy

09/2011 – 07/2016

SKILLS, ACTIVITIES AND INTERESTS

Languages: Italian: Native

English: Very fluent (writing, speaking, listening)

IT Skills: MS Office (Excel/PowerPoint/etc.); Matlab (decent); Arduino (decent); Thermoflex(novice); LabVIEW (novice)

Laboratory Skills: Overall good manuality in mechanical and chemical laboratories

Driving licence: Yes (type B)

Activities:

OPER.CBI (partecipant)

09/2021 – 03/2022

The OPER.CBI program, directed by Prof. Vignoli Matteo and his team, in collaboration with CERN (Geneva, Switzerland), aims to create a multidisciplinary team of students, that can work together with a company and answer to a given challenge. The program's foundations are design thinking and knowledge transfer (third mission). The challenge of my group was given by Servizi Italia s.p.a. and was "how can we make the wash-hire process more sustainable?". Exploring/learning the facilities and the process, working both singularly and with the Servizi Italia's group, the team proposed the reuse of a waste, created inevitably during the process. After the proposal, Servizi Italia saw the opportunity and signed an NDA.

UniBO.A.T. (Team member)

08/2020 – 01/2021

The UniBO.A.T. program, directed by Prof. Cavina Nicolò, aims to create a sustainable boat, fuelled by sustainable energy resources, that could participate at a Yacht Club de Monaco's race (Munich, Bavaria). My sub-team worked on the Hydrogen Fuel-Cell (HFC) system, creating a characterization model that can predict the dynamic response to a variable input. To obtain the model, the group made different tests with the technology and used LabVIEW and Matlab as softwares. The Team placed first in 3/4 of the races.

Interests:

My main interest is to have an overall healthy lifestyle. I practice sport most of the days and eat as healthy as possible, without denying a nice laugh at the bar with new friends.