

**Name**

Luca Frigerio

Birth

06/03/93

**Address**Via del Pilastrino 325
Medicina (BO), 40039, Italy**Phone**

3937468591

**E-mail**luca.frigerio@unibo.it
lucafrig20@gmail.com**LinkedIn:** lucafrigerio20**Skype:** friz20**Own car:** YES**Available for transfer abroad:** YES

LANGUAGES

Italian (mother language)

English (level B2)

SKILLS

CAD MODELLING
(PTC CREO, SOLIDWORKS)COMPOSITE
MATERIAL
DESIGNFEM ANALYSIS
(ANSYS)ADDITIVE
MANUFACTURINGREVERSE
ENGINEERINGWORK
ORGANIZATION

TEAM WORKING

INTERESTS

MOTORSPORT

SAILING (NAUTICAL LICENCE)

LUCA FRIGERIO

MECHANICAL ENGINEER



WORK EXPERIENCE

Present
Sept. 2021

Start-up LiBER S.r.l.

Co-Founder: The company aims to introduce product, process and service solutions on the market for battery packs. LiBER Modules consists of an integration solution for Li-Ion cells which allows the creation of large battery pack for land vehicles, boats aircraft and stationary storage.

Apr. 2022
Apr. 2020

Researcher at University of Bologna

LiBER Project: Structural design, construction, and homologation test of the battery Module for the LiBER regional project.

- Determination of an engineering solution base on the concepts of: Modularity and self-supporting structure.
- Cad modelling of the complete assembly
- FEM analysis according to ECE R100.2 standard
- Definition and research of the technologies to be used for components realization.
- Prototyping and assembly of battery modules
- Pre compliance test according to ECE R100.2 standard

Apr. 2022
Apr. 2020

Composite material design course

Tutor: the course aims to provide theoretical and practical knowledge in the field of composite material. Mechanical characterization, Numerical modelling.

Sept. 2021
Mar. 2020

Start-up Carb2Life

Founder: Integration of additive manufacturing and design of composite materials to create low-cost molds for lamination of the composite materials starting from prepreg scraps.

Mar. 2020
Oct. 2019

University of Bologna in collaboration with Mind S.r.l.

Undergraduate Internship: Design, FEM simulation and validation tests of a composite material battery box.

- Battery box CAD modelling.
- Structural calculation of the battery pack according to ECE R100.2 regulation

Jul. 2019
Mar. 2019

University of Bologna in collaboration with Ducati Motor Holding S.p.a.

Project: Design of composite material rear frame.

- Optimization of the lamination sequence through FEM calculation
- Study of the bonding and co-lamination of aluminum bushings on carbon fiber frame.



EDUCATION

Present
2018

Alma Mater Studiorum – University of Bologna

2nd level degree in Mechanical Engineering, VOTE:109/110

2017
2012

Alma Mater Studiorum – University of Bologna

1st level degree in Mechanical Engineering, VOTE 95/110