

Federico Cerchi

Electrical Engineer



SUMMARY

I'm an Electrical Engineer Master student about to graduate. My main interests concern Renewable Energy Sources and microgrid optimization with Distributed Energy Sources.

EDUCATION

- 2012-2017 **LICEO SCIENTIFICO G.D. CASSINI**
- Graduated with a degree of 76/100
- 2017-2020 **UNIVERSITY OF GENOVA**
- Bachelor's Degree in Electrical Engineering achieved with a grade of 104/110
- 2020-2023 **UNIVERSITY OF GENOVA**
- M.S. Degree in Electrical Engineering (to be accomplished in march 2023)
- 03/2022-09/2022 **RWTH AACHEN UNIVERSITY**
- Semester abroad for the Erasmus+ program
- M.S. thesis in collaboration between UNIGE and RWTH (With Antonello Monti from the Institute for Automation of Complex Power Systems in Aachen) regarding the cost optimization for a CEMS for a multi-microgrid system

SKILLS

- Basic knowledge of python language (Pyomo used for the optimization)
- Different libraries used for the development of the thesis: Matplotlib, Pandas, Numpy, Pypower
- Basic knowledge of MatLab
- Basic knowledge of Homer
- Electric systems and Power Electronics

SOFT SKILLS

- Teamworking experience
- Eager to learn
- Problem solving

LANGUAGES

- Italian, Native
- English, B2