



# 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.

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### 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