



## Federico Grillini

**Date of birth:** 1999 | **Nationality:** Italian | **Phone number:** (+39) 3349219126 (Mobile) | **Email address:** [grillinifederico@gmail.com](mailto:grillinifederico@gmail.com) | **Address:** Castel Bolognese, Italy (Home)

### ABOUT ME

I am a PhD student in applied mathematics at university of Modena and Reggio Emilia. My research interests concern optimization, particularly, derivative-free optimization and imaging.

### WORK EXPERIENCE

 **UNIVERSITY OF MODENA AND REGGIO EMILIA** – MODENA, ITALY

**Email** [federico.grillini@unimore.it](mailto:federico.grillini@unimore.it)

**PHD STUDENT** – 1 NOV 2025 – CURRENT

Research interests: imaging, derivative-free optimization

 **ILLUMIA SPA** – BOLOGNA, ITALY

**PORTFOLIO ANALYST INTERNSHIP** – FEB 2023 – JUN 2023

Development of models to forecast the price of electrical power in the european market.

 **SCUOLA SAN GIOVANNI BOSCO** – IMOLA, ITALY

**MATHEMATICS TEACHER** – FEB 2023

 **ENS DE LYON** – LYON, FRANCE

**BACHELOR'S THESIS INTERNSHIP** – APR 2021 – JUN 2021

Thesis topic: Multilevel methods for image restoration problems

### EDUCATION AND TRAINING

SEP 2023 – 29 OCT 2025 Bologna, Italy

**MASTER'S DEGREE** Alma Mater Studiorum - University of Bologna

**Field of study** Mathematics | **Final grade** 110/110 Cum Laude |

**Thesis** A New Derivative-free Algorithm for Black-box Problems with Mixed-integer Variables

2022 Bologna, Italy

**BACHELOR'S DEGREE** Alma Mater Studiorum - University of Bologna

**Field of study** Mathematics

### LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

|                | UNDERSTANDING |         | SPEAKING          |                    | WRITING |
|----------------|---------------|---------|-------------------|--------------------|---------|
|                | Listening     | Reading | Spoken production | Spoken interaction |         |
| <b>ENGLISH</b> | C1            | C1      | C1                | C1                 | C1      |

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user