

Elisabetta Benedetti

Curriculum Vitae

✉ elisabetta.benedetti@unimore.it

✉ benedettielisabetta@pec.it

Work Experience

16/02/2024 – Post-Graduate Research Fellow

Present *UNIMORE*, Department of Physics, Informatics and Mathematics, Modena

Role: Junior research fellow

Project Title: "Numerical Optimization with Adaptive Accuracy and Applications to Machine Learning" (SSD: MAT/08)

20/03/2023 – Data Analyst Intern

27/07/2023 *TDS and AI-ML*, Modena

Internship in data analysis using statistical and data mining techniques for data visualization and analysis at TDS, and developing AI solutions at the AI-ML startup.

11/03/2022 – Substitute Mathematics Teacher

04/05/2022 "*Alessandro Tassoni*" Scientific High School, Modena

Taught Mathematics to three classes at the high school level.

Education

12/11/2020 – Master's Degree in Mathematics

12/12/2023 *UNIMORE*, Department of Physics, Informatics and Mathematics, Modena

Thesis Title: "*Evolution of Neural Networks: From the Past to the Future – A Comparative Analysis of Transformer and DCT-Former in Natural Language Processing*"

Supervisor: Prof. Luca Zanni

Co-Supervisor: Dr. Giorgia Franchini

Grade: 110/110 cum laude

28/09/2017 – Bachelor's Degree in Mathematics

20/10/2020 *UNIMORE*, Department of Physics, Informatics and Mathematics, Modena

Thesis Title: "*Convergence analysis of block successive minimization methods*"

Supervisor: Prof. Luca Zanni

Grade: 110/110 cum laude

2012 – 2017 Scientific High School Diploma

"*Alessandro Tassoni*" Scientific High School, Modena

Grade: 100/100 cum laude

Scholarships

03/10/2017 – **INdAM Scholarship**

31/12/2019 *Istituto Nazionale di Alta Matematica "Francesco Severi"*

Scholarship winner for enrolling in a Mathematics BSc (for the academic year 2017-2018) after a nationwide selection based on a written math test.

Skills

Languages English: Level B2, Cambridge ESOL First Certificate in English (2016)

Digital Skills Programming Languages: Python, MATLAB, Java

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Modena, 05/08/2024