



Carlomaria Magrini

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📍 **Second Address** : 27100, Pavia, Italy

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Date of birth: 17/07/1993 **Nationality**: Italian

EDUCATION AND TRAINING

[10/2023 – Current]

PhD in Electrical Engineering -Ongoing

Università degli Studi di Pavia

City: Pavia

Country: Italy

Field(s) of study: Power Electronics

[09/2021 – 26/10/2023]

Master of Science in Electrical Engineering

Università degli Studi di Pavia

Address: 27100, Pavia, Italy

Final grade: 110/110

Thesis: Kalman Filter for Battery Parameters Estimation in a Reconfigurable Cascaded Multilevel Converter: A Case Study

[09/2017 – 21/09/2021]

Bachelor's Degree in Industrial Engineering

Università degli Studi di Pavia

Address: 27100, Pavia, Italy

Final grade: 96/110

Thesis: Soluzioni per convertitore di potenza DC/DC 270/28V per MEA con sistema di distribuzione in DC

[08/2012 – 10/2017]

Student of Mechanical Engineering - No qualification obtained

Politecnico di Milano - Piacenza campus

City: Piacenza

Country: Italy

[08/2007 – 07/2012]

Secondary school Diploma

Liceo Scientifico Lorenzo Respighi

Address: 29121, Piacenza, Italy

PUBLICATIONS

[2023]

Kalman filter estimation method for battery cell parameters in Reconfigurable Cascaded Multilevel Converter

Reference: G.Tresca, A.Formentini, S.Granata, C.Magrini, P.Zanchetta, 2023 IEEE ECCE, USA, pp. 3648-3653

WORK EXPERIENCE

[11/2012 – 12/2016]

Personal assistant, CAD designer

Architectural firm Marialuisa Cattadori

City: Piacenza

Country: Italy

Business or sector: Construction

Customer care, appointments scheduling, CAD design.

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

French

LISTENING A2 **READING** B1 **WRITING** A2

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

Spanish

LISTENING A2 **READING** A2 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

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

DIGITAL SKILLS

Google Docs | Zoom | Skype | Google Drive

Office suite

Microsoft Office | Microsoft Powerpoint | Microsoft Word | Microsoft Excel

Design, Simulation

Autodesk Inventor (CAD) | MatLab (basics) | AutoCAD Architecture | Simcenter
MagNet | Simulink

DRIVING LICENCE

Motorbikes: A

Cars: B