

EUROPEAN CURRICULUM VITAE FORMAT



PERSONAL INFORMATION

Name	MONTINI FIORE
E-mail	montinifiore0@gmail.com
Nationality	Italian
Date of birth	APRIL 10 TH , 1995
Current position	PhD candidate in Economics, Management and Quantitative Methods, Curriculum “Circular, Collaborative and Sustainable Economy” at the Department of Economics, Engineering, Society and Business Organization (DEIM) from <i>Università degli Studi della Tuscia</i> and the Department for Sustainability (SSPT) at the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA)

WORK EXPERIENCE

Name and address of employer	Department for Sustainability (SSPT) at the Italian National Agency for New Technologies, Energy and Sustainable Economic Development (ENEA) <i>Research Centre Casaccia, Via Anguillarese, 301, 00123, Roma (RM)</i>
Type of business or sector	R&D on Circular Economy focused on Waste from Electrical and Electronic Equipment
Dates (from – to)	March, 2023 – October, 2023
Occupation or position held	Research fellowship - project “ <i>Training for Circularity – Waste from Electrical and Electronic Equipment (WEEE) - Edition</i> ” promoted by ENEA, CDCA and ERION WEEE <i>Supervisor: Dr. Roberta De Carolis - Co-supervisor: Dr. Federica Forte</i>
Main activities and responsibilities	Research activity inherent to circular economy with a focus on Critical Raw Materials in Italian value chains; the analysis was undertaken within a collaboration with ICESP (Italian Circular Economy Stakeholder Platform): <i>GdL4 “Catene di valore sostenibili e circolari”</i> and <i>GdL5 “Città e territori circolari”</i> . The work is aimed at supporting the activities envisaged by the Italian <i>Tavolo Tecnico Materie Prime Critiche</i> ¹
Name and address of employer	Department of Architecture, Built Environment and Construction Engineering (ABC) at Politecnico di Milano <i>Via Giuseppe Ponzio 31, 20133, Milano</i>
Type of business or sector	Research and academics
Dates (from – to)	September, 2023 – February, 2024
Occupation or position held	Teaching assistant in the academic course <i>Fisica tecnica e impianti</i> – Class 803772 (AY 2023/2024) – Politecnico di Milano – <i>Polo Territoriale di Mantova</i> - Prof. Michela Buzzetti
Dates (from – to)	March, 2022 – July, 2022
Occupation or position held	Teaching assistant in the academic course <i>Methods and tools in environmental control</i> – Class 759308 (AY 2021/2022) – Politecnico di Milano – <i>Polo Territoriale di Mantova</i> - Prof. Manlio Mazzon

¹ Ministero delle Imprese e del Made in Italy, “*Materie Prime Critiche*”, available at: <https://www.mimit.gov.it/impresa/competitivita-e-nuove-imprese/materie-prime-critiche/materie-prime-critiche> (accessed last: 31st July 2023)

Dates (from – to)	September, 2021 – February, 2022
Occupation or position held	Teaching assistant in the academic course <i>Fisica tecnica e impianti</i> - Class 760461, (AY 2021/2022) – Politecnico di Milano – Polo Territoriale di Mantova - Prof. Manlio Mazzon.
Dates (from – to)	April, 2021 – June, 2021
Occupation or position held	Teaching assistant in the academic course <i>Laboratorio di Costruzione dell'Architettura</i> - Class 097366, (AY 2020/2021) – Politecnico di Milano – Prof. Claudio Del Pero
Dates (from – to)	June, 2021
Occupation or position held	Professional collaboration as engineer
Main activities and responsibilities	Data research about building energy consumption in different continents and major states for the editing of Aste N., Del Pero C., Leonforte F., “Toward Building Sector Energy Transition” in Asif, M. (2022). <i>Handbook of Energy Transitions</i> (1st ed.). CRC Press. https://doi.org/10.1201/9781003315353
Dates (from – to)	March, 2019 – July, 2019
Occupation or position held	Curricular internship - Master's Degree
Main activities and responsibilities	Bibliographic research about energy simulation softwares used for historical buildings; energy diagnosis and development of an energy simulation model in EnergyPlus used to retrieve the thermal energy demand of a non-residential building
Dates (from – to)	January, 2018 – May, 2018
Occupation or position held	Curricular internship - Bachelor's Degree
Main activities and responsibilities	Bibliographic research about Palazzo Ducale in Mantua and development of the energy simulation model of the building in Best Energy – EnergyPlus; model calibration based on a comparison between real data monitored within internal spaces and simulated air temperature and relative humidity values
Name and address of employer	ZH Srl – Spin off – Politecnico di Milano <i>Via Ariberto, 20, 20123, Milano</i>
Type of business or sector	Civil Engineering
Dates (from – to)	August 2024
Main activities and responsibilities	Drafting of <i>Relazione tecnica – Ex Legge 10 [Art. 28, Legge 10/91]</i> for a new office building located in Seregno (MB)
Dates (from – to)	July, 2023
Main activities and responsibilities	Drafting of <i>Relazione tecnica – Ex Legge 10 [Art. 28, Legge 10/91]</i> for a new residential complex located in Opera (MI) and for the new school in the city of Monreale (PA)
Dates (from – to)	September, 2020 – September, 2022
Main activities and responsibilities	<ul style="list-style-type: none"> • Energy retrofit of mainly residential buildings belonging to the housing Cooperative UniAbita: verification of legal and technical requirements, drafting of technical drawings and documentation: <i>SCIA (Segnalazione Certificata di Inizio Attività)</i>; <i>CILA-S (Comunicazione di Inizio Lavori Asseverata - Superbonus)</i>; <i>Relazione tecnica – Ex Legge 10 [Art. 28, Legge 10/91]</i>; <i>Disciplinare descrittivo e prestazionale degli elementi tecnici del progetto definitivo [Art. 30, Codice degli appalti]</i>; drafting of technical drawings for landscape permission (<i>Autorizzazione Paesaggistica</i>) • Technical-economic feasibility study for the energy retrofit of single-family houses located in Courmayeur • Collaboration for the musealization of <i>Sala del Grechetto</i> in <i>Palazzo Sormani</i> • Energy retrofit project of single-family houses located in Lombardy region
Name and address of employer	IES Abroad - Milan <i>Via Monte Rosa, 91, 20149, Milano MI</i>
Type of business or sector	Professional collaboration as Community and Resident Assistant
Dates (from – to)	January, 2019 – May, 2020 and September, 2021 – May, 2022
Main activities and responsibilities	Community and Resident Assistant - Interaction and support of American students in the meantime of a co-living experience during their academic semester in Italy. Being a go-to person to approach Italian culture and problem solving

Name and address of employer **Zero Energia Srl**
Via Cristofani, 4a, 06135, Ponte San Giovanni (PG)

Type of business or sector **Civil Engineering**

Dates (from – to) September 2020

Main activities and responsibilities Development of energy simulation models by making use of TermoNamirial energy simulation software. Energy retrofit project of existing buildings (mainly single-family houses)

Tutoring activities in University

Name and address of employer **Università degli Studi della Tuscia**

Dates (from – to) AY 2023/2024

Main activities and responsibilities Organisation of events related to the celebrations for the 45th anniversary of UNITUS

Name and address of employer **Politecnico di Milano (Polo territoriale di Mantova)**

Dates (from – to) AY 2017/2018

Main activities and responsibilities Management of bibliographic resources in the institutional library

PUBLICATIONS

Articles on national journals *Delussu A. M., **Montini F.**, Mosconi E. M., (2024), "Il ruolo del venture capital nell'ascesa delle cleantech", *Dirigenza Bancaria* n. 224, pp 14-18*

Other publications and reports Gruppo di Lavoro 4 di ICESP - **Montini, F.** among the authors, (2024), "Le materie prime nelle filiere: casi studio per Costruzione e Demolizione, Mobilità sostenibile e Apparecchiature elettriche ed elettroniche", DOI 0.12910/DOC-2024-001

Deliverable 8.3.5: "Definition of a methodological approach for the resources mapping in the port areas aimed at promoting Industrial Symbiosis and circular economy solutions for the sustainable use of water/materials/energy and the regeneration of the natural capital", RAISE - Spoke 4 "Smart and sustainable ports", Project 8, Subtask 8.3.3

Conference literature *Tarantino M., Mosconi E. M., Tola F., Gianvincenzi M., **Montini F.**, (2024), "Packaging and European regulation: a literature review of industry practices and consumer perceptions", accepted at the conference AISME 2024 - XXXII Congresso Nazionale di Scienze Merceologiche, September 19th-20th, 2024, Lecce, Italy*

EDUCATION AND TRAINING

Title of qualification awarded **Qualification to practice as Professional Engineer**

Dates (from – to) February, 2024

Name and type of organisation Politecnico di Milano

Title of qualification awarded **Master's Degree in Management of Built Environment – Technical Curriculum 110/110**

Dates (from – to) 2019-2021

Name and type of organisation providing education and training Politecnico di Milano

Principal subjects/occupational skills covered Management of built environment; specialized in activities aimed at ensuring the maintenance and adjustment of the performance of a building over time, maximizing its profitability and market value. In particular, professional skills developed concern technical, economic, organizational, social and cultural fields

Montini Fiore, "Percezioni dell'Abitare", Competition winner of Co-mix contest "Abitare secondo te"² in April 21st, 2021

² CO-MIX "CO-MIX ecco i premiati del concorso", available at: https://www.luccacrea.it/news-1/news-details?tx_news_pi1%5Baction%5D=detail&tx_news_pi1%5Bcontroller%5D=News&tx_news_pi1%5Bnews%5D=53&cHash=12f8fd5318af31c09fdef7f2f6a70b45 (accessed last May 16th, 2021)

Graduation thesis - Title	Energy performance assessment of existing buildings within the project scope identified by the Superbonus 110% regulatory framework
Language	English
Supervisor	Prof. Gianandrea Ciaramella – Co-supervisor: Prof. Niccolò Aste
Abstract	The energy performance label of a building is determined in a semi-steady state energy simulation according to technical standards. By mean of a residential building case study a comparison between real and simulated energy consumption is presented: data gathered from the Energy Performance Certificate shows a significant variation with respect to real data metered in the building. In order to estimate the energy (and economic) savings achievable an energy diagnosis has been performed in the post-intervention phase and a new comparison with the EPC's (Energy Performance Certificate) values executed. This second phase allows to provide a reliable assessment of the building energy consumption reduction, which was incentivized by the increase to 110% of the existing tax deduction (Ecobonus) addressed to energy retrofit interventions in buildings, as part of the Italian Plan for Recovery and Resilience.
Title of qualification awarded	Bachelor Degree in <i>Progettazione dell'Architettura</i> 103/110
Dates (from – to)	2014 - 2018
Name and type of organisation providing education and training	Politecnico di Milano – Polo territoriale di Mantova
Principal subjects/occupational skills covered	Architecture; knowledge of architecture in its historical, formal, aesthetic, functional, constructive, technological and representational aspects
Graduation thesis - Title	<i>Caratterizzazione energetica degli edifici storici</i>
Language	Italian
Supervisor	Prof. Niccolò Aste
Abstract	Maintenance and the energy retrofit of historic buildings primarily aim to maintain the integrity and cultural identity of the heritage. These buildings are characterised by architectural complexity and obsolete construction technologies, that require an in-depth study of the building and new methods and strategies to perform energy retrofit interventions. <i>Sala dell'Armeria</i> in <i>Palazzo Ducale</i> (Mantua) has been the object of study for the development of an energy simulation model to estimate its energy behaviour and evaluate different intervention scenarios aimed at improving the comfort in the interior spaces; in particular, a data acquisition phase was carried out by means of sensors present on site and subsequently used to calibrate the model.
Title of qualification awarded	Diploma di maturità 82/100
Dates (from – to)	2009 – 2014
Name and type of organisation providing education and training	Liceo Scientifico - Italo Calvino (Città della Pieve – PG)
EXTRA-CURRICULAR ACTIVITIES AND ADDITIONAL EDUCATION	
Title and subject	Academic course: “ Cambiamenti globali e resilienza umana ” - Prof. Dott. Piero Ciccioli <i>Corso di Laurea in Studi internazionali per la Sostenibilità e la Sicurezza sociale – AY 2023/2024</i>
Final mark	30L/30
Dates (from – to)	February 2024 – July 2024
Name and type of organisation providing education and training	Università per Stranieri di Perugia
Title and subject	RAISE - Knowledge Transfer & Entrepreneurship Academy <i>Module 1 - Knowledge Transfer, Intellectual Property Protection and Exploitation</i>
Dates (from – to)	February 26 th -27 th , 2024
Name and type of organisation	RAISE - Robotics and AI for Socio-economic Empowerment

Title and subject	“Comunicare la ricerca attraverso la parola. Teoria e pratica del talk breve”
Dates (from – to)	April, 2023
Name and type of organisation	FameLab Italia
Title and subject	Sustainable Supply Chain Management - online course
Dates (from – to)	March, 2023
Name and type of organisation	Massachusetts Institute of Technology (M.I.T.)
Title and subject	Cantieri aperti @Polimi – workshop
Dates (from – to)	November, 2019
Name and type of organisation	Politecnico di Milano
Title and subject	Self-knowledge and self-communication: personality, emotions and relationships
Dates (from – to)	July, 2018
Name and type of organisation	Politecnico di Milano
Title and subject	ZEBSS 2018 - Zero Energy Building Summer School
Dates (from – to)	August 27 th , 2018 – September 02 nd , 2018
Name and type of organisation	Politecnico di Milano (Mantua)
Title and subject	Cortona Open 3D – workshop
Dates (from – to)	August, 2017
Name and type of organisation	Politecnico di Milano
Title and subject	Working and studying experience in Plymouth (Progetto Leonardo)
Dates (from – to)	March, 2014
Title and subject	Studying experience at Trinity College – York
Dates (from – to)	July, 2011

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE **ITALIAN**

OTHER LANGUAGES

ENGLISH

Reading skills C2

Writing skills C2

Verbal skills C2

English exam - **TOEIC** (May 30th, 2018): **870 - Advanced**

SPANISH

Reading skills A2

Writing skills A2

Verbal skills A2

Attendance certificate - Spanish course at Politecnico di Milano (February, 2020 – June, 2020)

SOCIAL SKILLS AND COMPETENCES

Constructive attitude in professional relationship, particularly focused on empathy, collaborative approach and significance of emotions in team work.

The work experience at IES Abroad Milan has been a relevant activity as I had the chance to follow training classes to manage and practice effective interpersonal relational dynamics

ORGANISATIONAL SKILLS AND COMPETENCES	I've been use to group works in university, problem solving, positive attitude, effectiveness in interpersonal dynamics
TECHNICAL SKILLS AND COMPETENCES	Microsoft office package; AutoCAD, Illustrator, Photoshop, SketchUp, Blender have been acquired mainly during the Bachelor Degree in Architecture; Revit's knowledge has been partially acquired during Master Degree in Management of Built Environment; knowledge of TermoNamirial, Best Energy – EnergyPlus and Termolog have been acquired during working experiences Remote work: Google meet, Zoom, Microsoft Teams and others
ARTISTIC SKILLS AND COMPETENCES	Perceptions about the aesthetic sense acquired during bachelor degree in architecture and ability to coherently convey the design concept through graphic works. Ability to organize and present the work developed
HOBBIES	Afro-latin dances, nature, ethical horsemanship and horse-riding, physics, counseling
DRIVING LICENCE(S)	Driving License B
ADDITIONAL INFORMATION	<i>Formazione Generale dei Lavoratori in materia di igiene e sicurezza del lavoro D.Lgs 81/2008</i>