



Legal Entity
Address address 100
00000 City
Country
Tel. +39 000 000 0000

Share Capital
€ 0.000.000,00 i.v.
Tax code 00000 0000
Other legal information
000000 000000

Name Surname
Legal Entity
Address address 100
00000 City
Country

Modena, March 5, 2024

Biografia
Sara Cavallaro

Specialist in Ergonomics – HMI – VR/AR

Sara Cavallaro, graduated in Industrial Engineer at the University of Catania in 2016, and then in Mechanical Engineer at the University of Modena and Reggio Emilia in 2019 with a thesis titled "Use of Immersive Virtual Reality tools for virtual manufacturing and factory ergonomics". She started her scientific career at XiLab, a scientific center of advanced simulation, using VR and AR tools she developed different scenarios to evaluate ergonomics in manufacturing and improve UX design. After two years as researcher, she began her Industrial PhD at DeepBlue researching for UX design optimization and evaluation activities for manufacturing in the design of Human-Machine interaction and the design of services for Industry 4.0. During the years of research she dealt with virtual manufacturing to design human-centric factories, virtual tours to promote the remote customer experience, creation of a UX index to design human tasks and workstations, training methodology based on virtual reality to promote the learning-by-doing approach and UX evaluation of a tractor cabin digital twin using mixed reality. She joined CNH Industrial at middle of 2022 in Tech-Advanced Technologies Innovation team in Ergonomics-HMI as Ergonomics Design Analysis Engineer, working on several projects focusing on innovation in ergonomics to develop new concepts involving the use of new emerging technologies considering methods and criteria of physical and cognitive comfort.

She is passionate about Tech in general and care about Human Factors, with major competences in designing HMI taking care of UX/UI, using VR/AR tools for Ergonomics purposes.

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