



Lisa Cesario

Nationality: Italian **Date of birth:** 04/01/1992 **Gender:** Female

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Home: Bologna (Italy)

ABOUT ME

I have always been an extremely creative and enthusiastic person towards technology and innovation, and always ready for new challenges and goals. During my university career, I've developed a strong interest on exploring the potential that emerging technologies can offer to foster inclusion and improve people's quality of life. Since 2018 I have been working in the WeCareMore Center for Research and Innovation of AIAS Bologna onlus and collaborating at the Centro Regionale Ausili in Corte Roncati. During my working career I have had the opportunity to experiment with different technologies such as: IoT, domotics and smart home, virtual reality and telepresence, and most of all Assistive Social Robotics. Moreover, thanks to the participation in several international projects (through Erasmus and Horizon) I had the opportunity to know and get in touch with different realities of the European scene.

WORK EXPERIENCE

Software Developer

AIAS Bologna onlus [05/2018 - Current]

City: Bologna

Country: Italy

My main role is to design, develop, and test software solutions in the Projects and Innovation Sector of AIAS Bologna onlus with the aim of exploiting technological innovation to improve the lives of people at risk of exclusion, such as people with disabilities, special educational needs, and frail elderly, according to the Design Thinking and User Centred Design approach. The software made includes technologies such as Assistive Social Robotics and IoT for social and personal well-being. Secondly I participate in several projects in the European area contributing to the execution of tasks and deliverables. Thanks to this I have the opportunity to keep up to date with the main news in the field of technology. Recently, I began teaching courses in social educational robotics and STEAM technologies and accessible video game

Other activities: Participation in the drafting of Projects for local and European calls for proposals, 3d printing workshops with persons with disabilities, VideoMaking, Graphic designs and flyers for promotion

Main technologies: Node.js, Typescript, Angular, Ionic, Python, Swift.

Mobile software developer

AIAS Bologna onlus [01/2018 - 04/2018]

City: Bologna

Country: Italy

Project contract for "Vivi La Città"

Design and implementation of an iOS mobile application and an online platform to help persons with disabilities to improve the execution of simple activities like preparing something to eat.

Main Technologies: Swift 4, Objective C, Django, Python

Judo teacher

Gym Academy [09/2018 - 06/2019]

City: Ravenna

Country: Italy

"Inclusive Judo" Project

Judo teacher for children and teenagers

Design, organization and implementation of activities within the course aimed at the inclusion of children and youth with special needs and disabilities, particularly with autism spectrum disorder.

EDUCATION AND TRAINING

Master Degree in Computer Science and Engineering

Alma Mater Studiorum - Università di Bologna (Campus Cesena) [12/2015 – 09/2021]

Address: Cesena (Italy)

Website: <https://corsi.unibo.it/magistrale/IngegneriaScienzeInformatiche>

Final grade: 103

Thesis: Studio di una App a supporto delle attività quotidiane di utenti con disabilità cognitive

Bachelor Degree in Computer Science

Alma Mater Studiorum - Università di Bologna [09/2011 – 12/2015]

Address: Bologna (Italy)

Website: <https://corsi.unibo.it/laurea/informatica>

Thesis: Progettazione e implementazione di un sistema di autorizzazione elettronico per il trasporto auto di persone disabili con validazione biometrica

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

DIGITAL SKILLS

Languages

Angular 8+ / ExpressJs / Node.Js / Ionic Framework

General Skills

Pianificazione e sviluppo di progetti / Sviluppo Applicazioni Software

Other

Adobe Suite (Adobe Photoshop, Adobe Illustrator, Adobe Premiere, Adobe After Effects)

PUBLICATIONS

On Designing a Mobile App to Support People with Cognitive Disabilities in Daily Activities

[2022]

Lisa Cesario, Giovanni Delnevo, Massimiliano Malavasi, Lorenzo Desideri, Silvia Mirri

[CCNC 2022 Workshop ADS](#)

An Innovative Telemonitoring System For Older Adults Based On Low Power Wide Area Networks

[2021]

Lisa Cesario, Arianna Gherardi Massimiliano Malavasi, Lorenzo Desideri et al.

Step-Instruction Technology to Help People with Intellectual and Other Disabilities Perform Multistep Tasks: a Literature Review

[2021]

Lorenzo Desideri, Giulio Lancioni, Massimiliano Malavasi, Arianna Gherardini & Lisa Cesario

Designing, implementing and testing an IoT based home system for integrated care services: Exploring the transferability and expandibility of an ICT based integrated care system to respond to the long term daily needs of people with disabilities

[2019]

Massimiliano Malavasi, Lisa Cesario, Valentina Fiordelmondo, Lorenzo Desideri et al.

The Mind in the Machine: Mind Perception Modulates Gaze Aversion During Child-Robot Interaction

[2020]

Lorenzo Desideri, Paola Bonifacci, Giulia Croati, [...], Arianna Gherardini, Lisa Cesario et al.

Designing and Implementing a Transferability Testing Methodology for AAL Systems Dedicated to Integrated Care Services

[2019]

Malavasi M., Hoogerwerf E.J., Fiordelmondo V., Cesario L., Montanari C., Desideri L. (2019)

VIVO-Rehab: Coupling humanoid robots with motion sensing devices to support upper limb function assessment of children with Spinal Muscular Atrophy (SMA)

[2019]

Lepore,C., Malavasi,M., Cesario,L., Colonna,A., Desideri,L.

Oral presentation accepted for the XV AAATE Conference, 27-30 August 2019, Bologna, Italy.

Promoting the Use of Social Robots to Engage Students with Special Education Needs (SEN): Development of a Teacher-friendly App

Cesario L., Gherardini A., Malavasi M., Fiordelmondo V., Lepore C, and Hoogerwerf E.J., Desideri L.

Paper accepted for the AAATE 2019

PROJECTS

Vivo, STUDY OF AN APP TO SUPPORT THE DAILY ACTIVITIES OF USERS WITH COGNITIVE DISABILITIES

[2020 - 2021]

Master Degree thesis project

Main technologies: Ionic Framework, Node.js, Express, Socket.io, Angular

Develop a selective attention behavior, implementing a subsumption architecture on a NAO Robot with a behaviour-based approach

[2018]

Project carried out as part of the course Intelligent and Robotic Systems.

Main Technologies: Nao Robot, NaoQi Framework, Python, Tensorflow, OpenCV

App for a safe release of mobile pass for persons with disabilities

[2015]

Bachelor degree thesis project

Main Technologies: Objective-C, OpenCV, Python, Django Framework

Project Management assignment

Project carried out as part of the Project Management course

Main tools: SCRUM, Microsoft Project

HOBBIES AND INTERESTS

Judo

III Dan Black belt

Member of Regional Judo Kata Team (Emilia- Romagna)

Member of Italian Team Judo Kata

Aspirante Allenatore (FIJLKAM) e Allenatore (CSI)

I have taught at public and private educational institutions, to pupils with mild, medium disabilities and autism spectrum disorder, both in the Lugo and Ravenna area

Digital Photography

Video Making