





PERSONAL INFORMATION



MONICA FOSSATI

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Gender Female | Date of birth Oct 28 1999 | Nationality Italy

WORK EXPERIENCE

Feb 2023 - Jul 2023

Master thesis student

Research and planning work in the field of 'Decision-making for autonomous driving in urban environment'

Centre INRIA d'Université Côte d'Azur, 2004 route des Lucioles - SOPHIA ANTIPOLIS France

Business or sector Engineering and design, education, training, research and development

EDUCATION AND TRAINING

2023 - 2026

PhD in 'Safe Navigation in Urban Environment'

EQF level 8

Université Cote d'Azur

3rd cycle degree - PhD/Doctorate

Principal subjects/occupational skills covered:

The project aims to develop a SADM (Situation Awareness and Decision Making) system capable of describing the current situation through an ontology, predicting its future evolution and acting accordingly. In particular, the aspect of partial state observability will be addressed and various Reinforcement Learning methods will be used including DQN, SARSA, Actor-Critic.

2022 - 2023

Advanced Robotics (EMARO)

EQF level 7

Ecole Centrale Nantes

2nd cycle degree - Master

2021 - 2023

Corso di Laurea Magistrale in Robotics Engineering

EQF level 7

Università degli Studi di GENOVA - Department of Computer Science, Bioengineering, Robotics and Systems Engineering

2nd cycle degree/Master of Science (2 years)

2018 - 2021

INGEGNERIA ELETTRONICA E TECNOLOGIE DELL'INFORMAZIONE

EQF level 6

Università degli Studi di GENOVA - Department of Marine, Electric, Electronic and Telecommunication Engineering

1st cycle degree/Bachelor (3 years)

Pre-university studies

School-leaving examination taken in (year): 2018

Italian secondary school diploma

PERSONAL SKILLS

Mother tongue(s)

Italian

Foreign language(s)

English

French

Spanish

UNDERSTANDING				SPEAKING				WRITING	
Listening		Reading		Spoken interaction		Spoken production			
B2	Independent	C1	Proficient	B2	Independent	B2	Independent	B2	Independent
A1	Basic	A1	Basic	A1	Basic	A1	Basic	A1	Basic
A2	Basic	A2	Basic	A2	Basic	A2	Basic	A2	Basic

English: FIRST - Cambridge Assessment English, 17 04 2021 - European level: B2

Spanish: Certificación Velázquez A2 - Instituto Velázquez, 06 2013 - European level: A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Linguistic experience(s)

European Union program

EMARO+

Language: English

Duration of studies in months: 12

Foreign country where the academic studies were carried out: Nantes (France)

Description: European Master Advanced Robotics (EMARO+) is a double degree program in robotics carried out by the universities of Genoa, Nantes and Warsaw. The first year is carried out in one of them and after that the students, who have obtained the best grades, can be chosen to carry out the second year in another of the European locations.

Communication skills

I consider myself a strong team player and value the importance of collaboration. Through my university experience, I have cultivated the ability to effectively work with individuals from diverse cultural backgrounds, fostering a cooperative and inclusive environment. I am adaptable and thrive in multicultural settings, leveraging my experiences to contribute positively to group dynamics and achieve collective goals.

Organisational / managerial skills

I consider myself a very organized person in study and work. I am also very determined to achieve my goals.

Digital competences

SELF-ASSESSMENT				
INFORMATION PROCESSING	COMMUNICATION	CONTENT CREATION	SAFETY	PROBLEM SOLVING
Independent user	Independent user	Independent user	Independent user	Independent user

Digital competences - Self-assessment grid

Basic digital competence:

APPLICATION SOFTWARE

Data Visualization: Gazebo (Intermediate) , RViz (Intermediate)

COMPUTER PROGRAMMING

Markup languages: LaTeX (Intermediate) | **Programming languages:** C (Intermediate) , C# (Intermediate) , C++ (Foundation) , MATLAB (Intermediate) , Python (Intermediate)

SYSTEMS AND NETWORKS MANAGEMENT

Operating systems: Linux , ROS

DATA MANAGEMENT

Query languages: SQL

Other skills

For many years I have been a volunteer in my parish by animating children of different ages and nationalities. I think this experience has enriched me a lot and improved my relational skills.

Driving licence

B