MATTEO **FRESTA**

Ph.D. Student

ABOUT ME

I'm a Ph.D. student at ELIOS Lab, DITEN, University of Genoa, Genoa, Italy.
I'm pursuing a Ph.D. degree in Science and Technology for Electronic and Telecommunication Engineering (STIET).

Main research activities:

- Big Data management
- Internet of Things
- Deep and Tiny Machine Learning.

SKILLS

- Teamwork
- Time Management
- Leadership
- Problem solving
- Critical Thinking

PROGRAMMING LANGUAGES

- Javascript
- Python
- Dart
- C
- C#

LANGUAGES

- Italian (Mothertongue)
- English (B2)

EDUCATION

Ph.D. University of Genoa 2022 - 2025
Science and Technology for Electronic and Telecommunication Engineering (STIET)
Research project title: **Management of large amounts of Edge/Cloud Data and Machine Learning**

Abilitazione all'esercizio della professione di Ingegnere dell'informazione 2022
ESAME DI STATO - University of Genoa

Ingegneria Elettronica 2019- 2022
MASTER DEGREE (110/110) - University of Genoa

Ingegneria Elettronica e Tecnologie dell'Informazione 2016- 2019
BACHELOR DEGREE (97/110) - University of Genoa

Scientific High School - L.S.S. L.LANFRANCONI 2016
SECONDARY SCHOOL DIPLOMA (80/100) - Genoa

PARTICIPATION TO RESEARCH PROJECTS

HiDrive Hi-Drive Designing Automation 2022- Ongoing
Co-funded project by European Union - Horizon 2020
Hi-Drive strives to extend the ODD and reduce the frequency of takeover requests by selecting and implementing technology enablers leading to highly capable Connected Automated Driving Functions (CADFs). Passenger cars and trucks will demonstrate CADFs in a large set of traffic environments on motorways, in cities and cross-border scenarios, with a specific attention to demanding, error-causing conditions.
My partecipation:
Design and implementation of a framework to manage Big Data from vehicular sensors and several Databases Management.

TEACHING ACTIVITIES

Teaching support activity: 2023-2024
ELETTRONICA DEI SISTEMI DIGITALI (72345)
University of Genoa

Teaching support activity: 2022-2023
HUMAN-COMPUTER INTERAC. & PERVASIVE ELECTR. MOD.A (72393)
University of Genoa