

FEDERICO FARUFFINI

Computer Engineer

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EXPERIENCE

Research intern

Heudiasyc Laboratory

Feb 2021 - ongoing

Compiègne, FR

The goal of the internship is to create a semantic structure to allow autonomous cars to understand the surrounding context in order to take safer decisions. To do so, it is necessary to define the context through the use of ontologies and the development of a connection with the car's autonomous controller.

The final model will at first be tested in a simulator and later in a physical autonomous car at the Laboratory, in a Vehicle in the Loop System.

- Semantic Technologies
- Research & Development
- Automation and Robotics

Unreal Engine C++ Programmer

Untold Games s.r.l.

2020 - ongoing

Genoa, IT

The goal of the project is to develop a Plugin to implement Hierarchical Task Networks into Unreal Engine 4. The coded planner will be used in real time and will be applied to different NPCs in future Untold Games' video games.

- C++ programming
- Artificial Intelligence

EDUCATION

Master's Degree in Automation and Robotics

University of Technology of Compiègne

2020 - ongoing

Compiègne, FR

Master's Degree in Computer Engineering

University of Genoa

2019 - ongoing

Genoa, IT

Bachelor's Degree in Computer Engineering

University of Genoa

2016 - 2019

Genoa, IT

High School Diploma

Liceo Scientifico Leonardo da Vinci

2012 - 2016

Genoa, IT

SKILLS

Programming

Artificial Intelligence

Java, Python

Project Development

Robotics

Control Engineering

Matlab

Web Development

C, C++, C#

Android Development

Team Management

Research

AWARDS

Private scholarship

Allianz

Nov 2020

Study grant

University of Genoa

May 2019

Study grant

University of Genoa

Feb 2019

LANGUAGES

- Italian - Mother tongue
- English - C1
- French - B1
- Spanish - B1

INTERESTS

- Projects in Arduino: obstacle avoidance, robotic vision, path tracking...
- Machine Learning
- Unity Engine game development
- Robotics
- Artificial Intelligence