Nicolò Gavagni

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PROFILE

I am a Master's degree Vehicle Engineering student at Enzo Ferrari department and a Industry Process Consultant at Dassault Systemes. Extremely passionate about automotive-motorsport and everything related to the tech industries. I am able to organize my work independently, in compliance with the times and objectives assigned to me.

EDUCATION

Master's degree, Vehicle Engineering — Modena | Sep 2021 – In progress

Università degli studi di Modena e Reggio Emilia

Relevant Courses: Aerodynamics ; PowerUnit – ICE ; Mechanic of the vehicle ; Dynamics of the vehicle ; Automotive electronic systems ; Automotive thermal control ; Frame design ; Design methods

Bachelor degree, Mechanical Engineering — Firenze | Sep 2017 – Feb 2021

Università degli studi di Firenze

Relevant Courses: Fluid dynamics ; Mechanical drawing ; SolidWorks ; Energy Sistems ; Mechanical design principles ; Measurements and tests ; Science of materials

WORK EXPERIENCES

Industry Process Consultant | Dassault Systemes — Milano | Oct 2023 – In Progress

- Thesis development: study of a project based on a subway carbody parameterized in design, followed by a static and dynamic (crash) analysis phase through a DOE. Finally analysis of the manufacturing process and product cost.
- Pilot project for well-known company specializing in the automotive industry to integrate the concept of "MODSIM" (simulation driving design) from Dassault Systemes Platform.

High school internship | Centro Motori srl — Pistoia | Jun 2016 – Jul 2016

- I worked in a mechanical workshop specialized in motorcycle maintenance. I also had the opportunity to spend a day on the track with the workshop team, where I was able to do a few laps with the team's bikes.

EXTRACURRICULA ACTIVITIES

Formula Student | Modena Racing Team Driverless — Modena | Nov 2021 – Aug 2022

- Dynamic and Suspensions Division
  - Main purpose: improve the set-up of the car and provide data to the IT division to create codes for the target speed in **autonomous driving**.
- Car Design Division
  - Main purposes: to rearrange the space for various electronic and mechanical components. Realization of the rack on the car chassis to house the control units and their cooling system.

TACC | Training for Automotive Companies Creation — Modena | Nov 2022 – February 2023

- Innovative Enterpreneurship training programme specific to the automotive industry. The project includes lessons with the involvement of managers, participation in national and international fairs, workshop, prototyping, design and validation sessions for their start-up project. https://tacc.unimore.it/

SKILLS

Languages: Italiano: Mother tongue , **English:** B2

IT: Catia V6 – 3DExperience; SolidWorks; Abaqus; Marc Mentat; Maxima; Excell