

Nicolò Gavagni

LinkedIn: [nicolo-gavagni](#)

Phone number: +39 3937128319

Email: nicolo.gavagni@gmail.com

Personal website: nikgava.github.io



WORK EXPERIENCE

Dassault Systemes

Milan

EUROMED SIMULIA Industry Process Consultant

Apr 2024 – Present

- My daily work consists of assisting clients in using our software, focusing primarily on using the [3DEXPERIENCE](#) platform within the [SIMULIA](#) brand to transform engineering and simulation processes through 'MODSIM' (modeling and simulation)

EUROMED SIMULIA Industry Process Consultant - INTERN

Oct 2023 – Mar 2024

- 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

TACC

Modena

Training for Automotive Companies Creation (tacc.unimore.it)

Nov 2022 – Feb 2023

- Innovative Entrepreneurship training programme specific to the automotive industry. Lessons with the involvement of managers, participation in national and international fairs, workshop, prototyping, design and validation sessions

ISTRUZIONE

Università degli studi di Modena e Reggio Emilia

Modena

Master's degree - Vehicle Engineering

Sep 2021 – Apr 2024

- Relevant Courseworks:** Aerodynamics; PowerUnit – ICE; Mechanic / Dynamics of the vehicle; Automotive thermal control; Frame design; Design Methods

Università degli studi di Firenze

Firenze

Bachelor's degree - Mechanical Engineering

Sep 2017 – Feb 2021

- Relevant Courseworks:** SolidWorks; Fluid dynamics; Mechanical drawing; Mechanical design principles; Measurements and tests; Science of materials

EXTRACURRICULAR EXPERIENCE

Formula Student

Modena

Modena Racing Team Driverless

Nov 2021 – Aug 2022

Dynamic and Suspensions Division

- 4 sec (3.5%) lap improvement working on the set-up of the car's dynamic and provide data to the IT division to be implemented in the code for autonomous driving

Car Design Division

- Reduction of 4°C in the operating temperature of the control unit through the design and realization of a rack and better redirection of the cooling system flow
- 20% reduction in space occupied by optimising the layout of electronic components and cables inside the car

Dynamo Camp

Pistoia

Volunteer Staff

Oct 2024 – Present

- Dynamo Camp's goal is to provide sick children with restored confidence in themselves and their abilities and to improve the quality of life for their families. The facility and medical care provide a protected environment in which they can socialize and experience important tools to better cope with life, focusing on their abilities and not on the disabilities brought about by the disease.

SKILLS

- Languages:** Italian (native), English (professional proficiency)
- Tech:** 3DEXperience; CatiaV5; SolidWorks ([Tower Crane](#); [Motorbike](#)) - Abaqus; OpenModelica ([Landing Gear](#))
- IT:** C++; Python; SQL; CSS; HTML Matlab; Excel; Excel VBA; Maxima
- Soft Skills:** Curiosity; Teamwork; Creativity and Innovation; Attention to Detail; Lifelong Learning