Sgoluppi Giuseppe

Automotive engineer

WORK EXPERIENCE

04/2021 – present
Vehicle dynamics engineer
Automobili Lamborghini s.p.a., via Modena 12, 40019 Sant'Agata Bolognese (BO), Italy
Part of 'vehicle applications and controls' team
Main tasks:
- Coordination of the team in charge of developing control strategies for vehicle dynamics related control systems
- Control strategies development in virtual environment (offline simulation and driving simulator)
- Vehicle dynamics simulation and performance analysis
- Virtual model development
- Data acquisition and data analysis for model validation
- Driving simulator operation and development

08/2015 – 03/2021
Vehicle dynamics engineer
HT Powertrain s.r.l., via Filippo Turati 7, 40019 Sant'Agata Bolognese (BO), Italy
Single-firm consultant at Automobili Lamborghini s.p.a.
Working in vehicle dynamics team of chassis department
Main tasks :
- Full vehicle modeling and simulation
- Vehicle dynamics and performance analysis
- Lap time simulation
- Post-processing tool development
- Driving simulator sessions for chassis systems development and calibration

10/2014 – 03/2015
Internship
Automobili Lamborghini s.p.a., via Modena 12, 40019 Sant'Agata Bolognese (BO), Italy
Development of master thesis for Automotive Engineering course
The thesis concerned the development of a Matlab tool for the automatic setup and run of the vehicle dynamics simulation in order to get the optimum configuration among a set of parameters (multi-objective optimization)

EDUCATION

2011-2015
Politecnico di Torino
Master Degree in Automotive Engineering

2008-2011
Università degli Studi di Perugia
Bachelor Degree in Mechanical Engineering

UNIVERSITY EXTRACURRICULAR EXPERIENCE

2011-2013 Formula SAE – Politecnico di Torino

I took part in the Formula SAE project in the team "SquadraCorse" of Politecnico di Torino (www.squadracorsepolito.com) working on the design, manufacturing and testing of two full electric racing prototypes. During the second year in the team I had the role of Team Leader and Sporting Director hence I had the chance to manage a team of about 70 students. With the team I took part to competitions in UK, Germany, Hungary and Italy.

SKILLS

Languages :

- Italian : Mother tongue
- English : Fluent
- Spanish : Advanced
- French : Basic

Softwares :
- Microsoft Office Suite, OneNote, Teams
- Matlab
- Simulink
- Stateflow
- Mode Frontier
- Wintax
- ViGrade software suite (CarRealTime, Vi-Road, Vi-Event Builder, Vi-DriveSim, Vi-GraphSim)
- SimWorkBench (Concurrent)
- Adams PostProcessor
- Windchill
- Git, GitHub
- Altair HyperWorks, SolidWork, Catia (used at university for Formula SAE project)

Bologna, 10/08/2023