

David Vigarinho

MSc in Mechanical Engineering

EXPERIENCE

Formula Student Técnico (FST)

Suspension team | 2017-2019

- Design of vehicle structural components: Hub and Upright. (Portfolio attached)
- Use of CAD and FEA software to carry out the design and analysis of the different elements.
- Elaboration of technical drawings to cooperate with the sponsor company in order to manufacture the parts.
- Participation in the Bill of Material development.

Skills acquired: SolidWorks; Hypermesh; Teamwork; Problem-solving; Critical thinking; Responsibility; Time management and organization.

SpringEvents

Event promoter | 2019-2021

Planning, promotion, and realization of various event services.

Skills acquired: Adaptability; Resilience and Perseverance.

OnAirSolutions

Camera operator, others | 2020-Present

Live stream coverage of events. Photography and filmmaking.

Skills acquired: Communication; Creativity and Flexibility.

Internship | Centro Porsche Leiria | 2017

EDUCATION & CERTIFICATIONS

Instituto Superior Técnico

Master's in Mechanical Engineering | 2016 - 2022

- Graduation degree completed: July 2019
Final grade: **15/20**
- Master's degree completed: July 2022
Thesis: Development of a reactive suspension for vehicles. **(19/20)**
Final grade: **17/20**

Highlight grades:

- Technical Drawing and Geometrical Modelling I and II | 18
- Project Management | 17
- Additive Manufacturing Techniques | 19
- Machine Tools | 19

CENFIM

Conventional machining | 2017

Learn how to operate the lathe and milling machines to manufacture parts.

OTHER EXPERIENCES

Volunteering

Banco Alimentar | 2012-2016



SUMMARY

I recently finished my Integrated Master's Degree in Mechanical Engineering, at Instituto Superior Técnico, with 5+ years of experience working with CAD and FEA software. I am able to work under pressure with tight deadlines. I am a highly determined, detail-oriented, and resourceful person, who thrives on achievements and is eager to develop new concepts and solutions.

CONTACT

-  30 June 1998
-  Lisbon
-  (+351) 913 169 372
-  david.vigarinho@gmail.com
-  linkedin.com/in/vigarinho

HARD SKILLS

SolidWorks	●	●	●	●	●
Hypermesh	●	●	●	●	○
Matlab	●	●	●	●	○
ADAMS	●	●	●	●	○
Cura/LightBurn	●	●	●	●	●
C++	●	●	●	○	○
SQL	●	●	●	○	○
Office	●	●	●	●	○

LANGUAGES

Portuguese	●	●	●	●	●	(Native)
English	●	●	●	●	○	(B2)
Spanish	●	●	●	○	○	