

# 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.

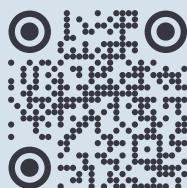
## CONTACT

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## HARD SKILLS

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

My Portfolio



QR scan or click [here](#)

## LANGUAGES

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