

LUCAS LACERDA

MECHANICAL ENGINEERING
STUDENT

CONTACT DETAILS

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SOFTWARES

PACOTE OFFICE	●	●	●	●	○
C Language	●	●	●	●	○
JAVA	●	●	●	○	○
Pi Toolbox, Race Studio e MoTec i2	●	●	●	●	●
MATLAB	●	●	○	○	○
SOLID WORKS	●	●	●	●	○
AUTOCAD	●	●	●	○	○

SKILLS

- Test methodologies
- Project presentation
- GTAW Welding
- FMEA

LANGUAGES

Portuguese - Fluent
English - Advanced

COURSES

2019

- Motorsport Engineering Course, Data Acquisition Course & Tires Specialization Day by Jorge Segers (PORSCHE GT3 CUP CHALLENGE BRAZIL / 40H)
- Academic Tech Day - Development of embedded electronic systems (VECTOR BRAZIL / 8H)
- Data Acquisition Applied to Race Cars (WIRING SYSTEMS / 15H)
- Analysis and Data interpretation Introduction Applied to Motoring (CEFET-MG / 12H)

2018

- Go Kart Racing Course (RBC Racing / 10h)

EXPERIENCES

FORMULA CEFAST

Performance Engineer | 2018 - Present

Competition team that designs and manufactures a Formula type prototype that is evaluated for technical conception and commercial viability, facing dynamic and static events.

2020 - PERFORMANCE ENGINEER

Activities:

- Tests methodologies;
- Suspension, tires, steering and aerodynamics setups definition;
- Sensors installation and monitoring;
- EFI systems calibration;
- Driver.

2018 - 2019 POWERTRAIN AND DATA ENGINEER

Activities:

- Hydraulic dynamometer engine calibration (IPT - USP);
- Cooling system design using one-dimensional simulations and bench tests;
- Cooling system manufacture;
- Driver.

CEFET-MG

Monitor (C Language) | 2018

Activities:

- Teacher support during lab classes;
- Helping students with homework and academic projects.

EDUCATION HISTORY

CEFET-MG

Mechanical Engineering | 2017 - Present

- 3rd Year

ENGLISH COURSE - CNA

Advanced | 2010 - 2015

- Full English Course

RESULTS

2020

- **4th** Place on Porsche Cup data analyst selection process

2019

- **5th** Overall Formula SAE Brazil

2018

- **1st** Overall Formula SAE Brazil