

João Henrique Telles de Carvalho

Brazilian, born on May.28.2000
Liberato Carioni, 580
Florianópolis – Santa Catarina, 88062-205

+55 48 99690-7173 • joao.carvalho@labmetro.ufsc.br

MAIN POINTS

- Great team work experience;
- Proactivity and agility in solving problems;
- Ability to organize and plan group activities;
- Critical about my own work, focusing on excellence.

EDUCATION

Mechanical Engineering 08/2018 – Currently
UFSC – Federal University of Santa Catarina Florianópolis, Brasil

PROFESSIONAL EXPERIENCES

Project Intern 03/2019 – Currently
PET - MA Florianópolis, Brasil

Intern at PET-MA, a group that works with the professional training of its members through the realization of real projects in the engineering field, aiming to provide a good professional qualification, both technical and personal, from the contact with values such as professionalism and pursuit of excellence, highly disseminated within the group.

Projects performed:

DeColar: Development of a flight controller for a quadcopter drone, uploading the C++ code to an Arduino microcontroller in order to provide autonomous stabilization of the aircraft, without any command given by a human on the radio.

Trainee 09/2019 – 03/2020
PET - MA Florianópolis, Brasil

Activities performed:

- Design and structural analysis of an oil extraction mechanism (pumpjack);
- Assistance in the group's marketing activities;
- Participation in the group's general training activities.

Acquired skills:

- Experience in 3D modeling using CAD softwares;
- Knowledge about commonly used material failure criteria in oil industry;



LANGUAGES

Portuguese
English

COMPUTER SKILLS


MS Office, Excel,
SolidWorks, Ansys
Workbench, C++

COURSES

11/2018 Oratory Course – CAME
UFSC (10h)

- Ability to generate mesh and perform structural analysis in Ansys Workbench.

Member of Aerodynamics

 01/2019 – 09/2019

Céu Azul Aeronaves

 Florianópolis, Brasil


Project of a radio controlled aircraft for SAE Brasil Aerodesign nacional competition. Work focused on aerodynamics, dimensioning the airplane surfaces in order to maximize Lift forces and reduce Drag.

Main activities performed:

- Plotting and analysis of Lift, Drag and Moment coefficient graphs.
- Handling of an aircraft parameter variation algorithm, in Python Language, for design optimization.
- Analytical calculation of Drag forces on fuselage and airplane connections.
- Prototypes testing in wind tunnel and analysis of the experimental curves obtained.

ADDITIONAL EXPERIENCE

Member

 08/2018 – 03/2019

Mechanical Engineering Students
Directory (CAME)

 Florianópolis, Brasil

College institution that represents mechanical engineering students towards other university entities.

