

JOSÉ LUIZ S. MENDONCA

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EXPERIENCES

Physics Tutor

Hochschule Ravensburg-Weingarten

March 2024 – Weingarten

- Responsible for hosting weekly tutorials to support lecture
- Preparing students for examinations
- Moodle course management, exercise creation

CAD Lecture Assistant

Hochschule Ravensburg-Weingarten

March 2024 – Weingarten

- Reverse engineering parts for lecture content creation
- Helping students with various issues ranging from system setup to design theory, technical drawing rules

Research Assistant (HIWI) for Automotive Engineering

Hochschule Ravensburg-Weingarten

Oktober 2023 – Weingarten

- Exercise creation for the students
- Matlab simulation
- Composing

Eletronics Production

RAFI Ravensburg

Juli 2023 – September 23 Berg

- Testing production parts
- Operating and programming industrial robots
- Maintenance of production line parts

Mechaniker

Hofgut Wiggerweiler

April 2022 – Februar 2023 Bermatingen

- Maintenance and operation of tractors, telehandlers, and other heavy vehicles
- Inventory management

MOTO

“Far and away the best prize that life has to offer is the chance to work hard at work worth doing”

SKILLS

Hard-working Flexible
Team Word Passionate

C C++ Python Docker Linux
git LaTeX ROS Noetic/Humble Arduino
STM32 Raspberry Pi

Fusion360 Solidworks Autocad
LTspice Altium Designer Matlab

Power Electronics CNC-Machining
3D-Printing Automotive Engineering

LANGUAGES

English ● ● ● ● ●
Portuguese ● ● ● ● ●
German ● ● ● ● ●
Spanish ● ● ● ● ●

EDUCATION

E-Mobility and Green Energy

Hochschule Ravensburg-Weingarten

March 2022 –

PROJECTS

Additive Cooling

Hochschule Ravensburg-Weingarten

📅 März 2023 – Juli 2023

- Creation of testbenches for temperature measurements in metal props
 - Prototype creation using 3D-Printing and CNC machining
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Rover to Mars

Hochschule Ravensburg-Weingarten

📅 November 2023 –

- Team management (Mostly done through Github)
- Developing Software for a 6-wheeled rocker buggy style rover (Using ROS Humble as middleware, and Python for most of the nodes)
- Creation of Docker applications
- Setting up CAN communication between VESCS and controller
- Supporting Mechanics team in areas of expertise (machining, chassis design, teaching new team members about technical drawings, design considerations, etc)

A WEEK IN MY LIFE

