JOSÉ LUIZ S. MENDONCA

@ zelumendonca@gmail.com   ☏ +49 1623795856   ● Weingarten, Deutschland   in jose-luiz-mendonca

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

Mechanic
Hofgut Wiggenweiler

📅 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 machinning
- Designing various parts for 3D motors, and using mostly Fusion360
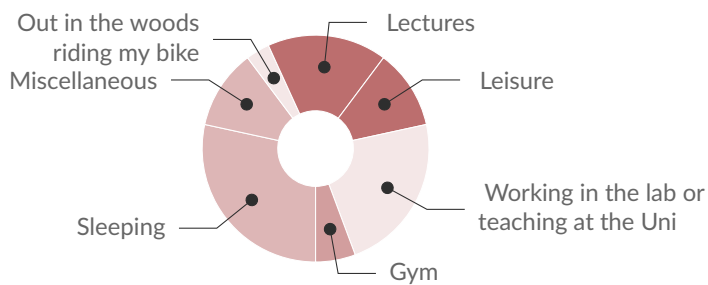- Documenting work with LaTeX

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 ODrives (motor controller) 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

ABOUT ME

International Experiences

- Visited more than 25 countries over the last 10 years
- Took part in several interchanges, and active member of CISV
- Student buddy for international students in the RWU

Hobbies

- Loves to play piano, or to jam with friends
- Big fan of downhill MTB, loves to ride bikes in ways they are not ment to be ridden
- Loves cooking good meat, nothing better than a barbecue