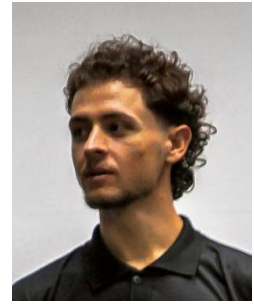


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FORMATION

- Bachelor's degree in Mechanical Engineering, expected August 2026. Federal University of São João Del Rei.

PROFESSIONAL EXPERIENCES

- **2024/AUG-NOW – Fórmula Del-Racing, São João del-Rei, MG**

Primary Role: Project Manager.

Technical Role: Head of aerodynamics and marketing subsystems. Suspension and Steering subsystem member.

Main activities: Project management of mechanical and electrical subsystems for a Formula SAE competition prototype vehicle in Brazil, overseeing all phases from initial research to final validation. Responsible for the design and validation of aerodynamic components, as well as the development and manufacturing of suspension and steering projects. Led the overhaul of marketing strategies via social media, aiming to expand audience reach and strengthen sponsoring companies' engagement and brand visibility.

- **2023/AUG-2024/AUG - Fórmula Del-Racing, São João del-Rei, MG**

Primary Role: Team Lead (Technical & Operational Leadership).

Technical Role: Head of aerodynamics, suspension and steering subsystems.

Main activities: Led team coordination, project management, and cost control activities. Conducted technical review and iterative development of the aerodynamics, suspension, and steering subsystems.

- **2023/APR-2023/AUG - Fórmula Del-Racing, São João del-Rei, MG**

Primary Role: Head of aerodynamics subsystem.

Main activities: Development, manufacturing, and validation of the complete aerodynamic package. Research and application of aerodynamic airfoil profiles. Design and fabrication of composite structures using carbon fiber, fiberglass, high-density foams, and polylactic acid (PLA). Development of molds and execution of vacuum-assisted lamination processes.

- **2022/APR-2023/APR - Fórmula Del-Racing, São João del-Rei, MG**

Technical Role: Aerodynamics subsystem member.

Main activities: Review and refinement of the aerodynamic project, with a focus on improving efficiency by increasing downforce generation and reducing induced drag. Conducted research and implementation of aerodynamic modifications and appendages specifically aimed at drag reduction.

QUALIFICATIONS AND PROFESSIONAL ACTIVITIES

- Car and motorcycle driver's license;
- English – Fluent (C2 Proficient);
- Experience in the following items:
 - Aerodynamic engineering projects focused on race car applications;
 - Suspension and steering design projects applied to race cars;

- Structural Analysis applied to aerodynamic components, suspension and steering systems;
- Carbon fiber and fiberglass composites manufacturing;
- Manufacturing and assembly of mechanical systems;
- Mechanical project verification and validation;
- Race car vehicle dynamics analysis and data acquisition;
- Track/Race Data Analysis (FT Manager and Motec I2 Pro);
- Leadership and team management;
- Project coordination and management;
- Graphic production and image editing;
- End-to-End video production, from planning to editing;
- Business communication and negotiation.

Softwares:

- CAD: SolidWorks (Experienced user, over 4 years of practical application);
 - CFD: Siemens STAR CCM+ (Experienced user, over 4 years of practical application);
 - CAE: Altair HyperWorks;
 - Vehicle Dynamics: CarSim;
 - Data Analysis: FT Manager and Motec I2 Pro;
 - Project Management: MONDAY, TRELLO, JIRA and MIRO;
 - Graphic Production: Adobe Photoshop and Illustrator (Extensive experience, 10+ years);
 - Video Production: Adobe Premiere Pro, DaVinci Resolve and CapCut;
 - AI: NotebookLM, ChatGPT, Adobe Firefly and Manus;
 - Google Workspace;
 - Microsoft 365 (Word, Excel and PowerPoint).
- **SolidWorks 2017 Level 1** Course, (SKA – e-Learning, 40h, concluded in 2022);
 - **Microsoft Excel 2016** Course, (Fundação Bradesco Escola Virtual - e-Learning, 65h, concluded in 2022);
 - **Project Management in Practice** Course, (Voitto – e-Learning, 40h, concluded in 2024);
 - **Project Management: Growing a Successful Career as a Project Manager** Course, (Udemy/Joseph Phillips – e-Learning, 3h, concluded in 2025);
 - **The Complete Python Bootcamp, From Zero to Hero in Python** Course, (Udemy/Jose Portilla – e-Learning, 22h, in progress).

CONTACTS FOR REFERENCE

- MAURÍCIO DE MOURA NILTON

Major Responsibilities & Results:

- Adjunct Professor at the Federal University of São João del-Rei (UFSJ);
- Coordinator of the Formula Del-Racing and Mechanical Engineering Program - UFSJ;
- Ph.D. in Mechanical and Aeronautical Engineering from the Technological Institute of Aeronautics - ITA. (Research focused on New Aeronautical Concepts and Intelligent Structures).

mauricio.nilton@ufs.ju.edu.br

- GUILHERME GERMANO BRAGA

Major Responsibilities & Results:

- Adjunct Professor at the Federal University of São João del-Rei (UFSJ);

- Founder and Ex-Coordinating Professor of the Formula Del-Racing;
- Ph.D. in Materials Physics and Chemistry – UFSJ. (Development of Fully Biobased Composites and Fibre Metal Laminates Through an Ecodesign Approach).

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