

Paulo Henrique Brito de Souza

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Summary

Undergraduate student, researcher of numerical simulation, mechanical tests and experience in development of automotive racing prototypes.

Work Experience

- Jun 2025 – Current **Undergraduate Research Scholar**, *Laboratório de Metalurgia Física (LAMEF) – UFRGS, Porto Alegre*
Research on numerical methods and mechanical tests.
- Oct 2023 – Jun 2024 **Undergraduate Research Scholar**, *Laboratório de Metalurgia Física (LAMEF) – UFRGS, Porto Alegre*
Research on numerical methods and MATLAB programming language.
- Sep 2025 – Current **Project Manager**, *RS Racing – UFRGS, Porto Alegre*
People and project management and brake design.
- Jul 2024 – Sep 2025 **Member Board of Directors**, *RS Racing – UFRGS, Porto Alegre*
People management.
- Mar 2023 – Jul 2024 **Executive Team**, *RS Racing – UFRGS, Porto Alegre*
People and project management.
- Nov 2022 – Sep 2023 **Team Manager**, *RS Racing – UFRGS, Porto Alegre*
Brake design and project management.
- Nov 2021 – Mar 2023 **Technical Team Member**, *RS Racing – UFRGS, Porto Alegre*
Product design and maintenance

Education

- Jun 2021 – Current **Mechanical Engineering Undergraduate** – Universidade Federal do Rio Grande do Sul (UFRGS) Porto Alegre
- 2017 -2019 **Highth School** – Escola Estadual Técnica Caxias do Sul (EETCS) Caxias do Sul

Languages

- Portuguese Native
- English Fluent

Volunteer Activities

- 2024 **Rio Grande do Sul Floods** – Community assistance and shelter allocation management.

Skills

Abaqus CAE, Abaqus ASI, SolidWorks, MATLAB, Python, C++, AutoCAD

Additional Experiences

- 2023 7° Place at Formula SAE National Championship – Piracicaba, São Paulo.
- 2014 – 2020 Swimming Athlete