

Raíssa Roldão de Castro

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OBJECTIVE

Petroleum Engineering undergraduate with a strong technical foundation in numerical modeling, data analysis, and system optimization. Highly motivated to apply engineering skills in a hands-on environment, contributing to innovative automotive technologies and performance-driven solutions. Seeking an engineering internship to support technical teams, gain practical experience with advanced software tools, and actively contribute to projects that combine engineering expertise with cutting-edge technology and sustainable innovation.

EDUCATION

- Bachelor's degree in petroleum engineering | State University of Santa Catarina (UDESC), Balneário Camboriú, SC - Brazil
 - Expected Graduation: July 2026.
 - Relevant Courses: Reservoir Simulation, Well Testing and Analysis, Drilling Fluids, Enhanced Oil Recovery.
 - Research: Numerical Modeling of Subsea Oil Jet in partnership with Petrobras.
 - GPA: 3.2
- Advanced (C1) English Proficiency | InFlux Language Course

ADDITIONAL TRAINING

- **September 2024 - August 2025: President of the UDESC SPE Student Chapter**
 - Led a team of 25 students, organizing technical events and networking opportunities.
 - Organized the VIII SPE UDESC Petroleum Workshop with 60+ participants.
 - Established partnerships with leading oil and gas companies to enhance student engagement.
- **June 2024 - September 2024: Vice-President of the UDESC SPE Student Chapter**
- **May 2024 - July 2025: Trainee in Institutional Relations | WIN Brazil Program**
 - Participated in networking initiatives for women in energy and STEM fields.
 - Assisted in event organization and strategic communication with industry professionals.
- **March 2024 - July 2025: Undergraduate Research: Physical and Numerical Modeling of Subsea Oil Jet Based on Experiments - SUBJET - UDESC in partnership with PETROBRAS.**
 - Collaborated with Petrobras engineers to analyze reservoir behavior under

subsea conditions.

- Studied the Lattice Boltzmann Method for fluid dynamics modeling.

○ **May 2022 - May 2023: UDESC, Balneário Camboriú, SC - Teaching Assistant: Experimental Physics II**

- Assisted students with laboratory experiments and technical reports.

- Provided guidance on data analysis and application of physics principles in engineering.

○ **August - November 2023: UDESC, Balneário Camboriú, SC - Directed Study: Finite Volume Method for Heat Conduction**

- Applied numerical methods to heat conduction problems in reservoir simulations.

- Used Python to develop computational solutions.

SKILLS

- Technical Skills: Python, Excel, AutoCAD, ALFAsim, Eclipse, Petrel (introductory level).

- Soft Skills: Leadership, Technical Writing, Problem Solving, Innovation, Attention to Detail.

PROFESSIONAL EXPERIENCE

Construtora Rodrigues - Showroom Receptionist (Temporary) | Jan 2023 - Feb 2023 and Jan 2022 - Mar 2022

- Provided customer service at the Acqua Residential showroom, assisting clients and supporting daily operations.

Estofaria Edson - Upholstery Assistant | Dec 2020 - Mar 2021

- Assisted in cutting and sewing fabrics, supporting production processes and maintaining quality standards.

Restaurante La Ballena - Cashier and Server | Dec 2019 - Mar 2020

- Assisted customers with orders, prepared beverages, and supported front-of-house operations.

WHY HIRE ME?

- Strong foundation in reservoir engineering, well testing, and numerical modeling.

- Research experience in partnership with Petrobras on offshore modeling and simulation

- Active leadership roles in SPE UDESC and WIN Brazil, promoting academic and industry collaboration.

- Deep interest in wellbore integrity, geothermal applications, and sustainable energy systems.

- Demonstrated adaptability and enthusiasm for expanding knowledge into emerging fields of energy and engineering.