BIO

Mechanical Engineer with +6 years of experience across fascinating industries, such as the automotive, agricultural, railway, solar energy, machinery and equipment, thermoplastics, medical devices and software development, focused on mechanical design and computer simulation (CAD/CAE).

GOALS

- Ensure the quality and functionality of Ansys Rocky through testing and validation
- Enhance Ansys Rocky's capabilities and integration capabilities with Ansys simulation tools
- Push the boundaries for advancing numerical simulation solutions

Ansys EXPERIENCE

As a R&D Verification Engineer II at Ansys, focus on Ansys Rocky (DEM/SPH), where mainly deals with new features and performance testing, thermal and structural coupling cases, cloud computing, and scripting (Python), contributing to the development and application of Ansys Rocky, ensuring quality and functionality.

SPECIALTIES

- Discrete Element Method (DEM)
- Smoothed-Particle Hydrodynamics (SPH)
- Multiphysics (DEM, CFD, FEA)

INDUSTRY INTERESTS

- Medical Devices
- Biotechnology
- Pharmaceutical
- Software Development
- Semi-Conductor
- Energy
- Aerospace
- Automotive

André Gonçalves

R&D Verification Engineer II, Fluids

"At its heart, engineering is about using science to find creative, practical solutions."

PROFESSIONAL

EDUCATION
Bachelors in Mechanical Engineering, UNIFEBE, Brazil

PERSONAL

INTERESTS
Games, books, investments, biology, hiking & camping, cooking & eating

LANGUAGES
Portuguese, English

COMPETENCIES

SIMULATION

ENGINEERING

LEADERSHIP

Ansys PHYSICS