



## CAREER OPPORTUNITY

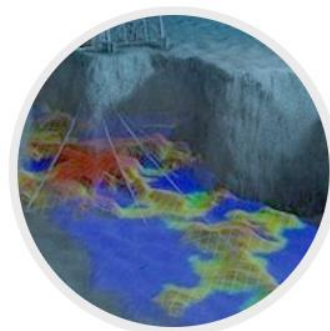
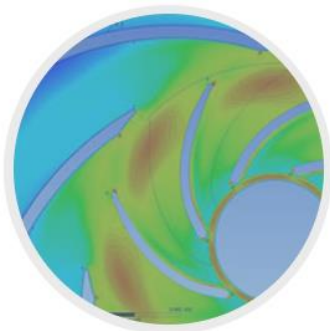
ISDB FlowTech is a Brazilian research institute that carries out applied R&D (Research & Development) projects with a large basis of ongoing and prospective customers, including Petrobras, Equinor, Repsol Sinopec Brazil, Petrogal, Total Energies, NOV, TechnipFMC, 3R Petroleum, PetroRio, among others. ISDB moreover provides technical consulting and software solutions to the local and international Energy sector. The organization has in-depth knowledge of *Multiphase Flow Technology, Flow Assurance, Artificial Lift, Multiphase Production Technology, PVT and Fluid Modelling, Computational Fluid Dynamics, Software Development and Hybrid Artificial Intelligence*.

To support its growth, ISDB FlowTech is now offering an opportunity:

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### SCIENTIFIC DEVELOPMENT INTERNSHIP

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### **Main Tasks of the Scientific Development Intern:**

- Contributing to the creation of scientific software solutions for the Oil & Gas industry
- Developing numerical tools and simulators
- Working closely with R&D Engineers for carrying out research and consultancy initiatives

### **Minimum Requirements:**

- Undergraduates in Computer, Automation and Control, Electronic, Electric, Chemical, Petroleum or Mechanical (or related) Engineering
- Be at least in the 6<sup>th</sup> semester
- Excellent academic performance
- Good oral and written communication skills in both English and Portuguese
- Great sense of initiative and curiosity

### **Desired (but not Mandatory) Qualification and Skills:**

- Experience with programming languages (e.g. Python, C++, JavaScript, etc) and/or software development tools (Git, Conda, GitLab, Visual Studio Code, etc)
- Knowledge on mathematical and numerical methods for the solution of differential equations, optimization and/or machine learning/artificial intelligence techniques

### **We Offer:**

- Good scholarship with benefits
- Position that requires 20 hours of work per week (flexible hours), with the possibility of advancing to the full **Scientific Developer** position in the future
- Continuous personal/professional development training courses
- Excellent working environment with interesting, challenging, and varied tasks and great learning opportunities

**Application (until 31/03/2022):** Please send your applications with *Curriculum Vitae* and transcripts ("histórico escolar"), either in Portuguese or English, to [marcelo.pasqualette@isdbflowtech.com](mailto:marcelo.pasqualette@isdbflowtech.com). Feel free to contact the same address for any questions regarding the position.



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