

PEDRO H. R. DE ANDRADE

Computer Engineering
de Andrade, P. H. R.

Last updated: December 22, 2025

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🌐 Homepage 🔗 LinkedIn 📄 Google Scholar 🐙 GitHub 🆔 ORCID 📄 Lattes



ACADEMIC BACKGROUND

Bachelor in Computer Engineering

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 August. 2023 – present 📍 Rio de Janeiro, Brasil

Technical Degree in Informatics

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 Feb. 2020 – Dec. 2022 📍 Rio de Janeiro, Brasil

RESEARCH PROJECTS

Understanding Dark Matter from ExtraGalactic Shocks

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 September. 2022 – March. 2023 📍 Rio de Janeiro, Brasil

Junior Scientific Initiation Scholarship - CNPq

Supervisor: Dr. Ana Cecília Soja

Simulating the Impact of Satellites on Astronomical

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 August. 2023 – September. 2023 📍 Rio de Janeiro, Brasil

Volunteer in the Scientific Initiation project - CNPq

Supervisor: Dr. Ana Cecília Soja

MobFog at IFFMaker

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 August. 2023 – February. 2024 📍 Rio de Janeiro, Brasil

Scholarship in the Scientific Initiation project - IFF

Supervisor: Dr. Ana Cecília Soja

Anomaly Detection in Stars of the Milky Way: Exploring Data from Gaia and Other Surveys with Machine Learning 2025

Instituto Federal Fluminense *Campus Bom Jesus do Itabapoana*

📅 October. 2025 – present 📍 Rio de Janeiro, Brasil

Scholarship in the Scientific Initiation project - CNPq

Supervisor: Dr. Ana Cecília Soja and Dr. Maria Luiza Linhares Dantas

EVENTS

Science Fairs

21st Brazilian Science and Engineering Fair

Poster
USP

📅 March. 2023 📍 São Paulo, Brazil

XVI Scientific and Technological Exhibition of the Açai Institute

Poster
UFPA

📅 December. 2025 📍 Belém, Brazil

40th International Science and Technology Fair

Poster
Fundação Libelato

📅 October. 2023 📍 Rio Grande do Sul, Brazil

Conferences

XLVIII Annual Meeting of the Brazilian Astronomical Society

Poster
Caxambu

📅 September. 2025 📍 Minas Gerais, Brazil

IX Brazilian Science Initiation Fair

Poster
Pomerode

📅 September. 2024 📍 Santa Catarina, Brazil

RESEARCH INTERESTS

- Stars
- Milky Way
- Galactic Archaeology
- Star Evolution
- Quantum Mechanics
- Computational Physics
- Machine Learning



PUBLICATIONS

Link Nasa ADS: [NASA ADS - Pedro H. R. de Andrade](#)




Proceedings

[1] Pedro Henrique Rocha de Andrade, Maria Luiza Linhares Dantas, and Ana Cecilia Soja. "Stellar properties and chemical features of the Gaia Catalogue of Nearby Stars observed by GALAH DR4". In: Dec. 2025, arXiv:2512.10037, arXiv:2512.10037. arXiv: [2512.10037](#) [[astro-ph.SR](#)].

AWARDS

-  **IX FEBIC**
3rd Place in the Undergraduate Category with the work "Simulating the Impact of Satellites on Astronomical Observations"
-  **XVI MCTIA**
1st Place in the Undergraduate Category with the work "Simulating the Impact of Satellites on Astronomical Observations"

STATISTICS

-  **1 Oral Presentations**
National Congresses
-  **6 Posters**
National and International Events
-  **5 Science Fairs/Congresses**
National and International Events

PROGRAMMING

- Python
- git Git
- Github
- LaTeX
- C++
- Java
- NodeJS

LANGUAGES

- Portuguese
- English
- Spanish