Thabita Sofia Gomes Barbosa

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SUMMARY

- Geophysicist with a Master's degree in Geophysics and Geodynamics, possessing academic experience in the analysis, processing, interpretation, and reporting of geophysical data.
- Expertise in seismological joint inversion of receiver functions and surface wave dispersion, developed through four years of Master's-level research focused on seismology.
- Proficient in the acquisition, analysis, processing, and interpretation of various geophysical methodologies, including Gravimetry, Seismic methods, Ground Penetrating Radar (GPR), and Vertical Electrical Sounding (VES), gained through five years of Bachelor's studies in Geophysics.

Languages: English, Portuguese and basic Spanish

Technical Skills: 3+ years of Python programming experience, 2 years of Shell scripting experience, 4 years of Unix operating systems and command line tools, 4+ years of QGIS software.

EDUCATION

Master of Science
Master's degree in Geophysics and Geodynamics with a specialization in Seismology, Universidade Federal do Rio Grande do Norte, Natal, Brazil
2022

Bachelor of Science
Geophysics, Universidade Federal do Rio Grande do Norte, Natal, Brazil
2018

Technical Diploma in Information Technology
Universidade Federal do Rio Grande do Norte, Macaiba, Brazil
2014

SCHOLARSHIPS

Researcher
Universidade Federal do Rio Grande do Norte, Natal, Brazil
March 2019 – March 2022

- Lithospheric S-velocity structure of the on-shore Potiguar Basin, NE Brazil with Joint Inversion of receiver function and dispersion waves curves.

Monitoring the use of Mathematical Games
Universidade Federal do Rio Grande do Norte, Natal, Brazil
July 2013 – July 2014

- Developed, assisted, and monitored the application of mathematical games for high school students.

VOLUNTEER EXPERIENCE

Seismic catalog for the Northeast region of Brazil
Universidade Federal do Rio Grande do Norte, Natal, Brazil
March 2017 – July 2017

- Analyzed and processed seismograms to monitor seismic activity in the Northeast region of Brazil.

PUBLICATIONS

https://doi.org/10.1016/j.jog.2022.101952