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Education **Universidade Federal do Rio de Janeiro, Rio de Janeiro, Brazil**
M.Sc., Physics, 2021.

Fields: Theoretical condensed matter physics, DFT, Nano-materials

Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador
B.Sc., Mechanical engineering, 2016.

Awards and Fellowships **Full Graduate Scholarship of CAPES**
Rio de Janeiro, Brazil, 2020-2021

Full Academic Performance Scholarship of FAPERJ
Rio de Janeiro, Brazil, 2019-2021

Publications **Vibrational Stability in Graphene: Effects of Strain and Number of Layers**
Luis D. Zambrano Palma, Marcos G. Menezes, Rodrigo B. Capaz
Phys. Rev. B, 106, 19, 195407, DOI: 10.1103/PhysRevB.106.195407, 2022

Teaching Experience **Mechanics Engineering Department, Escuela Superior Politécnica del Litoral**
Lab professor, Instrumentation, 2021-Now (40 hours/week)
Lab professor, Thermodynamics, 2021-Now (40 hours/week)
Lab professor, Fluid Mechanics, 2021-Now (40 hours/week)

Physics Department, Universidade Federal do Rio de Janeiro
Teacher Assistant, Statistical Mechanics, 2020 (20 hours/week)

Physics Department, Escuela Superior Politécnica del Litoral
Lab professor, Physics I, 2017-2018 (40 hours/week)
Teacher Assistant, Physics I, 2017-2018 (40 hours/week)

Activities **Escuela Superior Politécnica del Litoral**
1. Academic assistant: Physics Lab B, Physics Lab C, Differential Equations, Physics D, Fluid Mechanics II and Machinery Mechanics II
2. Research assistant: in project "Thermal Characterization of Construction Materials (INER-ESPOL) 2016"

Languages and Skills Spanish (native), English (advanced)
QUANTUM ESPRESSO, L^AT_EX, HTML, Python, BASH

References

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