

# Curriculum Vitae

Francisco Neme Campos Dahab

## 1 Personal Information

- Name: Francisco Neme Campos Dahab
- Gender: Male
- Place and Date of Birth: Campinas, Brazil – 12/20/2001
- Address: Av. Padre Pereira de Andrade, 127, Apt. 64 Block CA – São Paulo, SP, Brazil 05469-901
- Email: `f.dahab@unesp.br`

## 2 Academic Education

### 2.1 Graduate Education

- *Master's degree in Physics (Ongoing)*: Institute of Theoretical Physics, São Paulo State University, Brazil.  
Period: 2024 – (expected 2025)

### 2.2 Undergraduate Education

- *Bachelor's degree in Physics*: Institute of Physics of the University of São Paulo, Brazil.  
Period: 2020 – 2023.  
GPA: 9.4/10 (Rank 1/43)

### 2.3 Additional relevant courses

- *III Joint ICTP-SAIFR/ICTP-Trieste School on Particle Physics: International Centre for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR)*.  
Year: 2024
- *School on Origin of Matter Domination in the Universe*: International Centre for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR).  
Year: 2023
- *7th International Summer School on Intelligent Signal Processing for Frontier Research and Industry (INFIERI)*: Hosted at the University of São Paulo (USP).  
Year: 2023
- *Perimeter Scholar International Start (PSI-Start) Online School*: Perimeter Institute for Theoretical Physics (PI).  
Year: 2023
- *Journeys into Theoretical Physics*: International Centre for Theoretical Physics - South American Institute for Fundamental Research (ICTP-SAIFR).  
Year: 2023
- *Jayme Tiomno Physics Winter School Minicourse on Beyond the Standard Model Physics*: Institute of Physics of the University of São Paulo (IF-USP).  
Year: 2022

- *Jayme Tiomno Physics Winter School Minicourse on an Introduction to Quantum Field Theory in Curved Spacetime*: Institute of Physics of the University of São Paulo (IF-USP).  
Year: 2022
- *Reading Course on the Foundations of Quantum Mechanics*: Under the advisory of Prof. Marcelo Terra Cunha.  
Year: 2021
- *International Summer School for Young Physicists*: Perimeter Institute for Theoretical Physics (PI).  
Year: 2018
- *Minicourse on Relativity, Gravitation and Quantum Mechanics*: Institute of Theoretical Physics at the São Paulo State University (IFT-UNESP)  
Year: 2017

### 3 Research Experience

- *Undergraduate Research Project*: Under the advisory of Prof. Ricardo D'Elia Matheus, at the Institute of Theoretical Physics at the São Paulo State University  
Title of the project: *Introduction to Quantum Field Theory and Particle Physics with applications on derivations via Mathematica*  
Period: 2022–2023
- *Undergraduate Research Project*: Under the advisory of Prof. Orlando Luis Goulart Peres, at the Gleb Wataghin Institute of Physics of the University of Campinas  
Title of the project: *Physics of Neutrino Oscillation*  
Period: 2018–2019

### 4 Awards and Achievements

- *Special Prize for Excellent Undergraduate Poster Contribution, 7th Intelligent Signal Processing for Frontier Research and Industry (INFIERI), 2023*
- *Unified Examination of Graduate Courses in Physics (EUF): National undergraduate level assessment for access to graduate courses - 99.4th percentile*
- *Third Place, 2018 Brazilian Qualifiers for the International Young Physicists Tournament*
- *Gold Medal, 2017 Brazilian Astronomy Olympiad*
- *Gold Medal, 2017 Brazilian Physics Olympiad*
- *Silver Medal, 2017 São Paulo State Physics Olympiad*
- *Gold Medal, 2016 Brazilian Physics Olympiad*
- *Bronze Medal, 2016 São Paulo State Physics Olympiad*
- *Bronze Medal, 2014 São Paulo State Physics Olympiad*
- *Bronze Medal, 2013 São Paulo State Physics Olympiad*
- *Gold Medal, 2013 Math Kangaroo*

### 5 Additional Skills

#### 5.1 Languages

- *Portuguese*: Fully proficient
- *English*: Fully proficient
- *Spanish*: Reading and Listening

## 5.2 Programming

- *Mathematica*: Proficient
- *Python*: Some experience

## 5.3 Teaching

- Volunteered as a teacher of mathematics and physics at a public school from 2018 to 2019
- Gave supplementary lectures intended to help freshmen in 2022 and 2023