

# Iago Mendes



## Personal Info

### Full Name

Iago Braz Mendes



December 17th, 2001



Montes Claros, MG, Brazil

## Contact

### Academic Email

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### Phone Number

+55 (38) 9 8404-3111

## Languages

Portuguese (Brazil)

English

## Interests

Physics

Astronomy

Computer Science

## Standardized Tests

2020

### First Certificate in English: 184 / 190

Reading: 184 / 190

Use of English: 190 / 190

Writing: 182 / 190

Listening: 189 / 190

Speaking: 174 / 190

CEFR Level: C1 (Effective Operational Proficiency)

2019

### TOEFL: 103 / 120

Reading: 29 / 30

Listening: 28 / 30

Speaking: 21 / 30

Writing: 25 / 30

2019

### SAT (Super score): 1390 / 1600

Evidence-Based Reading and Writing Score: 600 / 800

Math Score: 790 / 800

2019

### SAT Subjects

Math Level II: 800 / 800

Physics: 770 / 800

## Honors and Awards

2019

### Bronze Honour

International Youth Math Competition (IYMC)

2019

### Bronze Medal

Brazilian Olympiads of Chemistry (OBQ)

2019	<b>Gold Medal</b> Brazilian Olympiad of Science (ONC)
2019	<b>Gold Medal</b> Brazilian Olympiad of Astronomy and Astronautics (OBA)
2018	<b>Honorable Medal</b> Brazilian Olympiad of Physics (OBF)
2018	<b>Honorable Medal</b> Brazilian Olympiad of Mathematics from Public and Private Schools (OBMEP)
2018	<b>Gold Medal</b> Minas Gerais's Olympiad of Chemistry (OMQ)
2018	<b>Gold Medal</b> Brazilian Olympiad of Astronomy and Astronautics (OBA)

## Volunteering

2019 – Today	<b>Astronomical Olympic League (LOA) - Content Writer</b> Function: to provide materials focused on Astronomy Olympiads and to give tips about specific activities.	Online Platform
2020 – Today	<b>Brazilians in Action for an International Education (BRAIE) - Mentor</b> Function: to help students in the Application process to the United States of America.	
2020 – Today	<b>International Astronomy and Astrophysics Competition (IAAC) - Official Ambassador</b> Function: to share about this Scientific Olympiad, inviting students to participate in it.	
2019 – 2019	<b>Olympic Scientific Initiation Program (POIC) - Founder and President</b> Function: to encourage students to participate in Scientific Olympiads and to help them studying.	

## Groups

2017 – Today	<b>Odyssey Group - Co-Founder</b> Objective: to spread Science in our community and to help students from public schools.
2019 – Today	<b>Montes Claros's Astronomical Studies Center (CEAMONTES) - Member</b> Objective: to spread Astronomy and to make public observations with telescopes.

## Research Projects

2019 – Today	<b>Stratospheric Balloon Launch</b> The launch of a balloon with sensors and cameras in order to register images and conditions of the stratosphere. It is a project of the Odyssey Group, which has made an association with CEAMONTES. Currently, we are raising money for the project.
2019 – Today	<b>Air Viscosity Study</b> A scientific initiation with the objective of determining the air viscosity by filming a cushioned spring-mass oscillation. Currently, we are finishing the article, which will be published soon.

# STEM Experience

- 2018 – 2019     **Advanced Astronomy Training - Student, 11th position nationally**  
A training of 5 months (with 3 in-person camps) that selected the top ten students for the International Olympiad of Astronomy and Astrophysics (IOAA) and the Latin-America Olympiad of Astronomy and Astronautics (OLAA).
- 2018     **Space Journey Program - Student**  
An event that invited about 90 students from all over Brazil for a week of immersion in Space Subjects, in which we had lectures and visitations.
- 2019     **Experimental Classes of Physics - Student**  
A week during winter break in which I had contact with experiences of Physics at a high education level. It was organized by a professor from the local Federal Institute.
- 2019     **Aeromodelling Summer Course - Student**  
On December 14th, 2019, I participated in a Summer Course organized by the local aeromodelling group (14 Bits). I spent 8 hours having lectures about their work.

# Social Activities

- 2019     **Astronomical Meetings - Founder and lecturer**  
Events in which the Odyssey group presents Astronomy for students through lectures and activities, like using a telescope and building rockets from bottles.
- 2019     **Youth Conference for Education - Organizer**  
An event in my hometown (Taiobeiras, MG) that showed young people the importance of studying; it counted with lectures about opportunities and benefits of education. It was organized by three partners and me.
- 2019     **Lunar Eclipse Event - Organizer**  
In July of 2019, the local astronomy group (CEAMONTES) organized an event to show a lunar eclipse for the public. I was in charge of the telescopes.
- 2019     **National Scientific Exposure - Lecturer**  
All public schools in Brazil organized scientific events on November 23rd; I was invited to lecture in a local school about our Solar System.