








# Iago Mendes




## Personal Info

 Iago Braz Mendes  
 December 17th, 2001  
 Montes Claros, MG, Brazil



## Contact

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## Language proficiency

 Portuguese, English  
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JavaScript, HTML, CSS

## Interests

 Cosmology, Astrophysics  
 Web development,  
Machine learning

## Education

2020 – 2024 **Oberlin College**  
Major in Physics  
Major in Computer Science  
Concentration in Astrophysics

Bachelor of Arts – BA

## Standardized Exams

2020	<b>First Certificate in English: 184 / 190</b> Reading: 184 / 190 (Grade A) Use of English: 190 / 190 (Grade A) Writing: 182 / 190 (Grade A) Listening: 189 / 190 (Grade A) Speaking: 174 / 190 (Grade B)	CEFR Level: C1 (Effective Operational Proficiency)
2019	<b>TOEFL: 103 / 120</b> Reading: 29 / 30 Listening: 28 / 30 Speaking: 21 / 30 Writing: 25 / 30	
2019	<b>SAT (Super score): 1390 / 1600</b> Evidence-Based Reading and Writing Score: 600 / 800 Math Score: 790 / 800	
2019	<b>Brazilian National High School Exam (ENEM)</b> Essay: 980 / 1000 Mathematics and its Technologies: 818.7 / 1000 Natural Sciences and its Technologies: 721.5 / 1000	

Human Sciences and its Technologies: 652.0 / 1000  
Languages, Code and their Technologies: 584.8 / 1000

2019 **SAT Subjects**  
Math Level II: 800 / 800  
Physics: 770 / 800

## Honors and Awards

- 2020 **Ambassador Award for Excellent Encouragement**  
Award presented to me for inspiring students about astronomy and encouraging them to participate in the International Astronomy and Astrophysics Competition (IAAC). This award is given to just one official ambassador per country, and I won it in Brazil.
- 2020 **Silver Honour**  
International Astronomy and Astrophysics Competition (IAAC)
- 2019 **Bronze Honour**  
International Youth Math Competition (IYMC)
- 2019 **Bronze Medal**  
Brazilian Olympiads of Chemistry (OBQ)
- 2019 **Gold Medal**  
Brazilian Olympiad of Science (ONC)
- 2019 **Gold Medal**  
Brazilian Olympiad of Astronomy and Astronautics (OBA)
- 2018 **Honorable Medal**  
Brazilian Olympiad of Physics (OBF)
- 2018 **Honorable Medal**  
Brazilian Olympiad of Mathematics from Public and Private Schools (OBMEP)
- 2018 **Gold Medal**  
Minas Gerais's Olympiad of Chemistry (OMQ)
- 2018 **Gold Medal**  
Brazilian Olympiad of Astronomy and Astronautics (OBA)

## Volunteering

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

# Groups

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

# Research Projects

- 2019 – Today **Stratospheric Balloon Launch**  
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 **Air Viscosity Study**  
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.