








Iago Mendes




Personal Info

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



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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 **First Certificate in English: 184 / 190**

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 **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 **Brazilian National High School Exam (ENEM)**

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

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.