








# Iago Mendes




## Personal Info

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



## Contact

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## Language proficiency

 Portuguese, English  
</>  
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

## Programming Projects

- |              |  |                             |
|--------------|--|-----------------------------|
| 2020 – Today | <b>STEM Guy</b><br>A blog about STEM in general. I am still in the planning process, but I plan to start coding it soon.   | Website, Server             |
| 2020 – Today | <b>Cruz Representações</b><br>An application of the Cruz Representações enterprise (which is owned by my father). I am currently working on its server and website, using Node.js and React.   | Website, Mobile app, Server |
| 2020 – Today | <b>Text Counter</b><br>A tool that – among other features – counts text, helping in the process of writing. It was coded using React. The website is already deployed at DigitalOcean and can be seen at <a href="https://textcounter.tools">textcounter.tools</a> .   | Website                     |
| 2020 – Today | <b>Cinephix</b><br>An application to learn and test your knowledge in movies and series. This was the first app idea I had (when I was still playing with the MIT App Inventor), which I decided to recreate more professionally. I am currently working mostly on the mobile app and I have used React Native for it, Node.js for the server, and React for the website (which is mostly intended to control the data from the server). | Mobile app, Server, Website |

# 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	<b>SAT Subjects</b> Math Level II: 800 / 800 Physics: 770 / 800	

# Honors and Awards

2020	<b>Ambassador Award for Excellent Encouragement</b> 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	<b>Silver Honour</b> International Astronomy and Astrophysics Competition (IAAC)
2019	<b>Bronze Honour</b> International Youth Math Competition (IYMC)
2019	<b>Bronze Medal</b> 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 **Gold Medal**  
Minas Gerais's Olympiad of Chemistry (OMQ)
- 2018 **Gold Medal**  
Brazilian Olympiad of Astronomy and Astronautics (OBA)

## Volunteering Experience

- 2020 – Today **Mentor** BRAIE – Brazilians in Action for an International Education  
I help students from Brazil to apply to American universities.
- 2020 – Today **Official Ambassador** IAAC – International Astronomy and Astrophysics Competition  
I disclose the International Astronomy and Astrophysics Competition to students in Brazil and help them in the process.
- 2019 – Today **Content Director and Writer** LOA – Astronomical Olympic League  
I create free materials for students to study Astronomy, such as classes, exercise lists, solutions for competitions, articles. Besides, as the Content Director, I delegate functions to the Content Team. We have a website, which can be seen [here](#).
- 2019 – Today **Event Organizer, Content Creator, and Lecturer** CEAMONTES – Montes Claros's Astronomical Studies Center  
I have been a part of the organization team and given lectures in some events, such as Eclipse Observation and Astronomy Classes. Besides, since April 2020, I am one of the Content Creators of the social media page.
- 2019 **Founder and President** POIC – Olympic Scientific Initiation Program  
I founded this program in my high school to encourage students to participate in Scientific Olympiads, helping to study for them.

## Research Experience

- 2019 – Today **Air Viscosity Determination**  
A scientific initiation with the goal of determining the air viscosity by filming a damped spring-mass oscillation. Currently, we are finishing the article, which will be sent for publication soon.

## Science Experience

- 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.
- 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.
- 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.

# Social Activities

- 2019    **Astronomical Meetings**    Founder and lecturer  
Events in which a friend and I presented Astronomy for students through lectures and activities, such as using a telescope and building rockets from bottles. During 2019, we organized 6 Astronomical Meetings in mostly public schools in Montes Claros.
- 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 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.