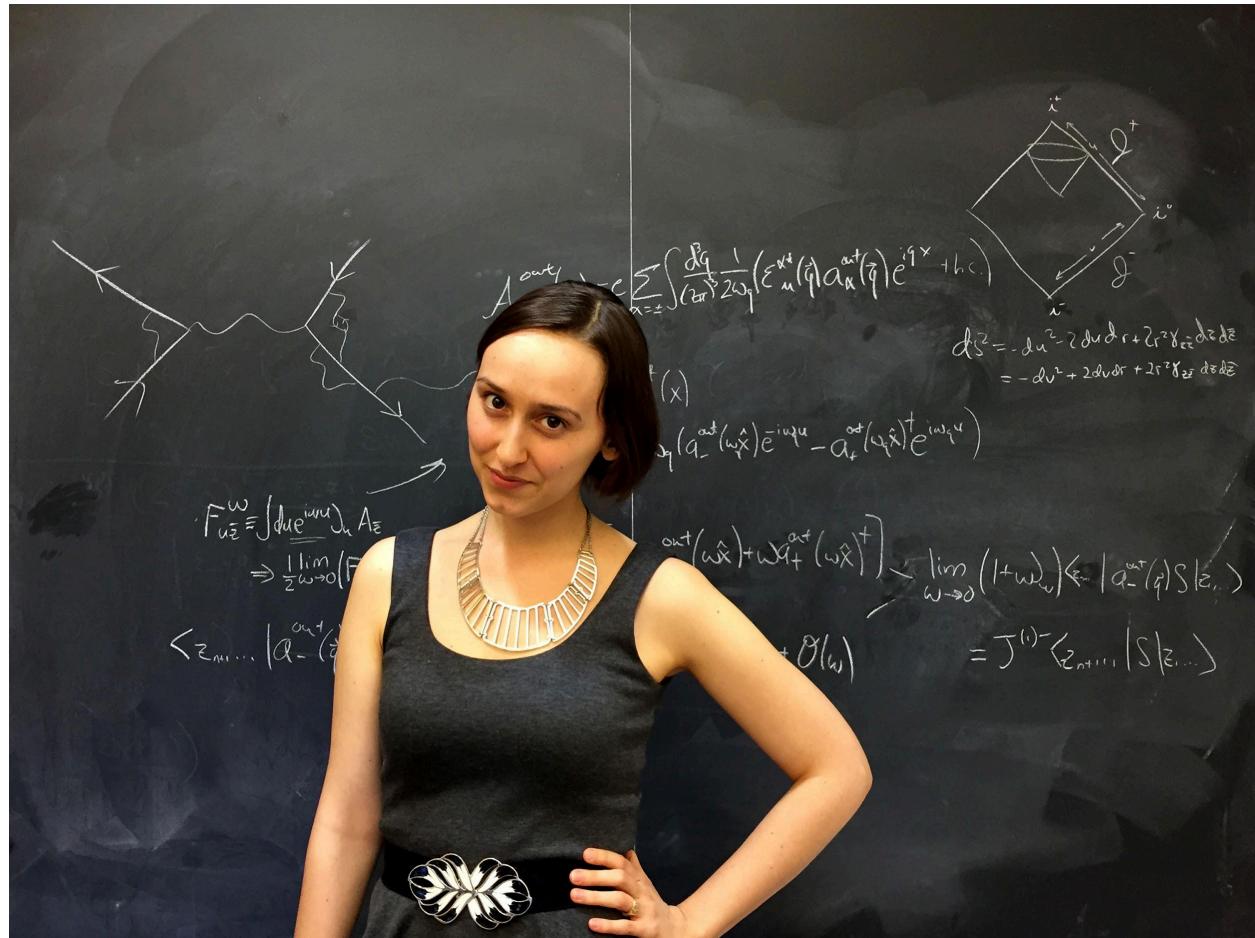


Sabrina Gonzalez Pasterski

Researcher name - aryavartgiri



Sabrina Gonzalez Pasterski

Early Life & Education

• Born: In Chicago, Illinois → USA

Parents: Mark Pasterski and Maria Gonzalez
(both lawyers)

• Descent: Polish and Cuban

Education

• Attended Edison Regional Gifted Centre (from 1998)

• Studied at Illinois Mathematics and Science Academy.

• Semifinalist for U.S International Physics Olympiad team.

• Graduated high school in 2010.

Early Interest in Aviation & space

- Developed interest in spaceflight and aircraft at a young age.
- Received a Cessna 150 for her birthday.
- Took flying lessons in Canada.
- At age 12 spent 2 years building a Zenith CH 601 XL aircraft from a kit.
- Made modifications and sought airworthiness certificate.
- Performed a flight test with a certified instructor.
- Aircraft kits later grounded by the National Transportation Safety Board (NTSB) due to accidents.

Internship

Held an Internship at Blue Origin

Education journey

- Begun undergraduate degree at Massachusetts Institute of Technology (MIT) in fall 2010.
- Initially rejected by Harvard college.
- Was waitlisted by MIT, later selected.

Academic Program

- Selected for Aerospace Engineering Program.
- Selection influenced by an aircraft she built when young.
- Later changed major to physics.

Achievements at MIT

- First freshman named to Nasa January operational internship.
- Interned at Nasa's Kennedy Space Centre (2011)
- Conducted research on compact Muon Solenoid experiment at CERN.
- Awarded MIT's inaugural freshman Entrepreneurship Award.

Graduation & Honors

- Received Bachelor of science in physics (2012)
- Graduated after 3 years.
- First woman in decades to:
 - Graduate top of the class in physics at MIT.
 - Win the Joel Matthew Orloff scholarship Award.
 - Achieved 5.0 G.P.A.
- She graduated (post) program at Harvard.
She worked under Andrew Strominger.
- She developed an interest in quantum gravity.
- Along with Strominger and Alexander Zhiboedov, she discovered a gravitational memory effect.

(1) The discovery connected:

- * ◦ Symmetries
- * ◦ Spin memory effect
- * ◦ Observable effect in gravitational waves.

→ She completed her Ph.D in Physics from Harvard in 2019.

Researcher name- aryavartgiri