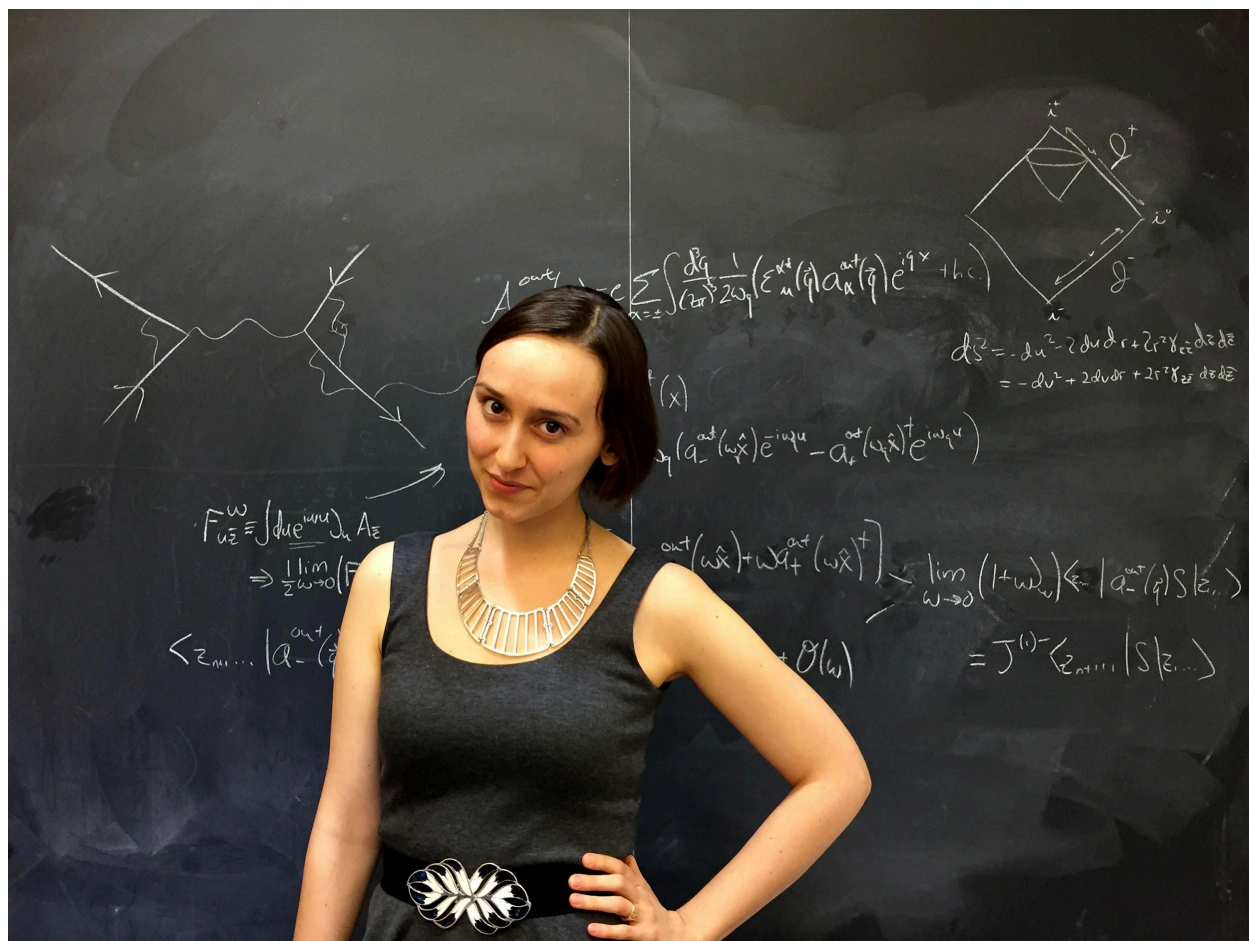


Sabrina Gonzalez Pasterski

Researcher name - aryavartgiri



* Sabrina Gonzalez Pasterki *

Early Life & Education

- Born: In Chicago, Illinois → USA
- Parents: Mark Pasterki 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 CH601 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 S.O 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