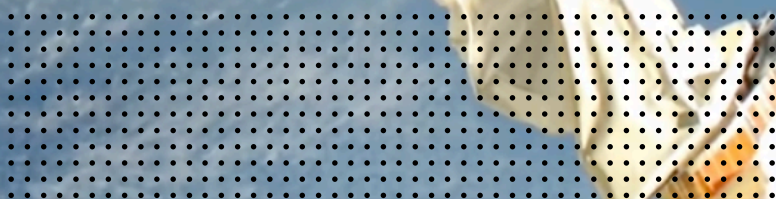




LIFT OFF WITH COLUMBIA SPACE INITIATIVE



PARTNERSHIP OPPORTUNITIES





ABOUT US

The Columbia Space Initiative (CSI) is Columbia University's largest engineering student organization, connecting students across all disciplines and backgrounds with the resources they need to succeed in the space industry and beyond.



CSI hosts regular events open to all members, weekly meetings for its missions ranging from biology to policy to rocketry, and large-scale events open to the entire Columbia community. Through CSI, members gain strong engineering and communication skills, grow their interpersonal skills, and form lifelong relationships with students from across the world.

Your support directly helps build the engineers, scientists, and policymakers of tomorrow. We thank you for your time and consideration.

12

missions

30+

majors

500+

Members

1,200+

local students reached



WHAT WE DO

Augmented Reality for Astronaut Suit Interfaces



LIONESS - Columbia's First Student-designed Cube Satellite launch



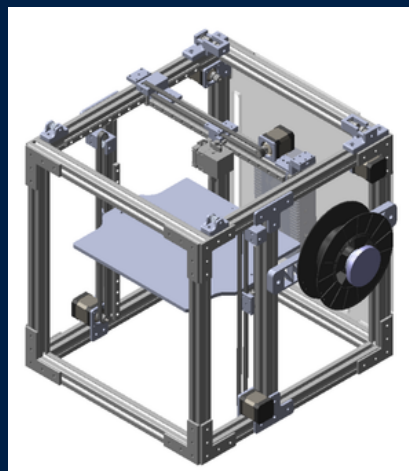
NASA Neutral Buoyancy Laboratory Testing



International Space Development Conference



High Altitude Balloon Launch



Space Manufacturing Cartesian 3D printer



NASA Blue Skies for Aerial Avalanche Surveillance

Phytochemical and Genomic Responses of Agriculture to Space Radiation



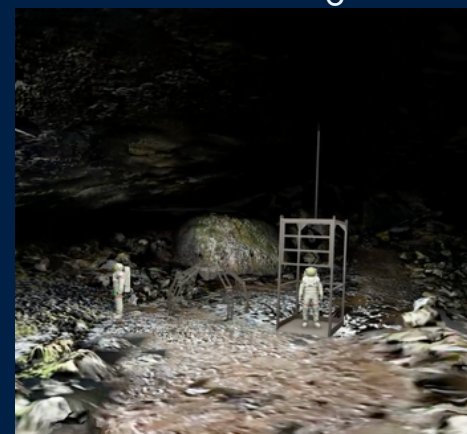
Liquid Oxygen Paraffin Hybrid Rocket Launches

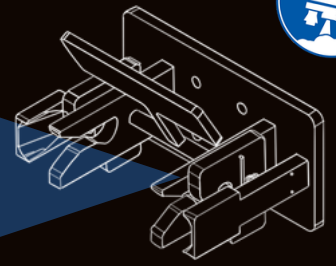


Community Space Science and Engineering programs



Lunar Lava Tube Lift and Mission Design





Astrobiology

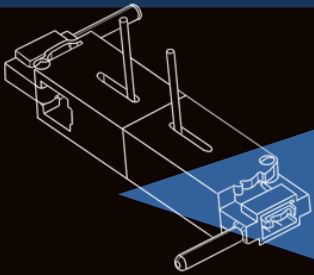
Integrates biological & engineering research to safeguard astronaut life support and contribute to advancements in medical and agricultural science and technology on Earth.

Blue Skies

Competes in NASA's annual BlueSkies competition forum, which releases an aviation-related challenge. Teams propose an original system to be theoretically implemented.

CubeSat

Designs, builds, and launches satellites for the purpose of gathering scientific data while in low-Earth orbit. The current mission, LIONESS, is a 6U CubeSat designed to take scientific measurements from nearby galaxies' electromagnetic emissions.



High-Altitude Balloons

Launches heavy balloons that fly up to 100,000 ft and pico balloons that fly up to 50,000 ft. Balloons carry scientific equipment that make use of the high altitude to collect data on the atmosphere, weather, space, and more.

Micro-G NExT

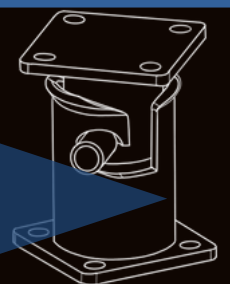
Competes in NASA's annual Micro-G NExT competition, which challenges students to design, propose, and prototype a tool to solve a specific problem faced by astronauts.

Outreach

Designs educational programming focused on space science and engineering for K-12 students, working with local organizations, including Sophie Gerson Healthy Youth (SGHY), the Intrepid Museum, and Rockefeller University to reach 1,000+ students annually.

This is Rocket Science Podcast

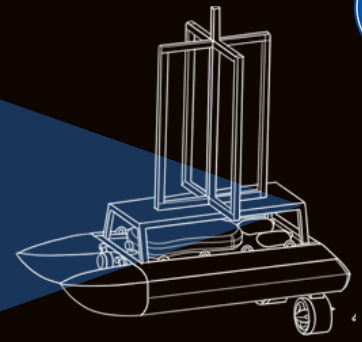
Hosts discussions on topics from space news updates to mission deep dives to guest speakers. *This is Rocket Science* is planned, outlined, recorded, and edited in house and can be found on Spotify, YouTube, and Apple Podcasts.





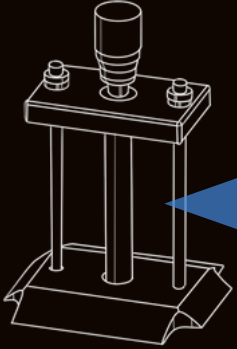
RASC-AL

Competes in NASA's annual RASC-AL competition, which provides challenge prompts revolving around lunar architecture and space exploration. Students research and write a proposed system to submit to the competition, and build a working prototype.



Robo-Glove

Designs and manufactures a robotic assistive glove to enhance astronaut hand dexterity and strength to mitigate the fatigue experienced in micro gravity environments while performing extra vehicular activities (EVAs).



Rockets

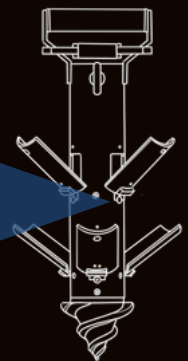
Designs, builds, and tests high-performance hybrid sounding rockets. The team was the first US student-led group to successfully launch a hybrid liquid oxygen rocket and continues to optimize their design and engineer improved thrust propulsion technologies.

Space Manufacturing

Focuses on additive manufacturing procedures in microgravity environments and the associated challenges, such as particulate matter (PM) generation and bed-layer adhesion. The team is interested in exploring applications such as lunar-regolith-based 3D printing

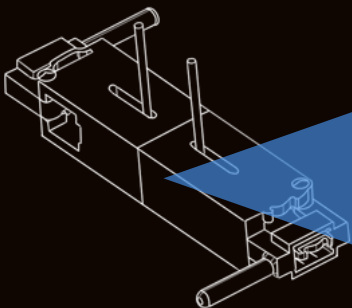
Space Policy

Engages with the legal and political implications of the space industry to answer some of the larger questions being asked in the legal, geopolitical, and regulatory landscapes of the space industry.



SUITS

Develops AR astronaut assistance systems reducing astronaut cognitive load through AI assistance, navigation, hand tracking, vitals monitoring, and EVA task guidance to compete in NASA's SUITS challenge.

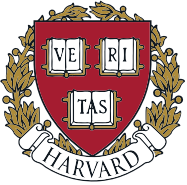


STUDENT PATHWAYS

GRADUATE STUDY



UNIVERSITY OF
CAMBRIDGE



JOHNS HOPKINS
APPLIED PHYSICS LABORATORY



Marshall
Scholarships

Caltech

USC



Carnegie
Mellon
University

M
UNIVERSITY OF
MICHIGAN

Our alumni are pioneering the next generation of technology and research in aerospace and beyond. We are committed to sharing our work and gratitude with sponsorship partners and the NYC community!

ASTRANIS

LOCKHEED MARTIN



INDUSTRY



ATLAS
SPACE OPERATIONS

amazonrobotics

URS
MAJOR



BOEING



TERRAN ORBITAL

Relativity



BLUE ORIGIN



ZED FACTOR
FELLOWSHIP

SIERRA
SPACE



BROOKE OWENS
FELLOWSHIP



FULBRIGHT PROGRAM
ESTABLISHED 1946

SPACE X



AGILE
SPACE INDUSTRIES



BOOM

JPL



RED WIRE

PATTI
GRACE
SMITH
FELLOWSHIP

MAXAR



VAST



Jane Street



FIREFLY
AEROSPACE

GENERAL
DYNAMICS

MATTHEW
ISAKOWITZ
FELLOWSHIP
PROGRAM



AXIOM
SPACE



MuonSpace

THE IMPACT OF YOUR GIFT



Dear Reader,

The Columbia Space Initiative (CSI) is Columbia University's largest engineering club. Our student organization is comprised of 12 technical missions related to space and engineering. CSI provides its members with a wealth of opportunities to solve problems ranging from biology, computer science, government policy, human factors engineering, and much more.

Since our formation in 2015, CSI has sent **over 15 teams** across the US to pitch their projects to NASA panels (Blue Skies, Micro-g, RASC-AL, SUITS), launched the first student-built **hybrid LOX rocket** (Rockets), **deployed a satellite** to low earth orbit (CubeSat), engaged in over **10,000 hours of community service** (Outreach), launched dozens high-altitude weather balloons and pico-balloons (Balloons), and accomplished much more.

We provide the Columbia community with the opportunity to gain real, hands-on experience in aerospace engineering and its related fields. We host **speaker events** with former astronauts, NASA directors, and industry experts. Our missions **research, build, and design** using the resources provided by the Columbia Makerspace, Mechanical Engineering Teaching Lab, and the Biomedical Engineering Lab. With this experience, our members pursue industry opportunities at organizations like **NASA, Blue Origin, SpaceX**, academic opportunities at schools including **MIT, Caltech, Stanford**, and prestigious fellowships including the **Marshall Scholarship and Hertz Fellowship**.

CSI fosters one of the strongest communities on campus. With **500+ members** from over **40 majors** across **all 4 Columbia schools**, we strive to create a supportive, motivating environment that helps students realize and achieve their ambitions and goals. Your support helps us serve our members with the opportunities they deserve.

We are truly grateful for your support. Thank you!

Sincerely,

Dyahatou Sannon
Co-president
ds4258@columbia.edu

Jennifer Xue
Co-president
jx2618@columbia.edu

Astronaut Mike Massimino
Prof. of Mechanical Engineering

SPONSORSHIP TIERS



***Please note:** Terms and criteria are flexible to discussion! We would love to chat and establish a partnership that works best for everyone involved. Donations are tax-deductible.

- Annual progress report on all missions
- Invitation to design reviews
- Poster/paper acknowledgement
- Newsletter highlight (3,000+ subscribers)

LEO
\$1,000

- Listed as sponsor on relevant media posts (4,000+ followers) and promotional video (1,000+ in-person viewers)
- Resume bank access
- Invitation to host g-body/other event
- CSI merchandise packet for event attendees (up to 10) - Shirts, stickers, flight tags

MEO
\$2,500

- Company-specific social media posts (LinkedIn/Instagram)
- Ability to host a private recruiting event

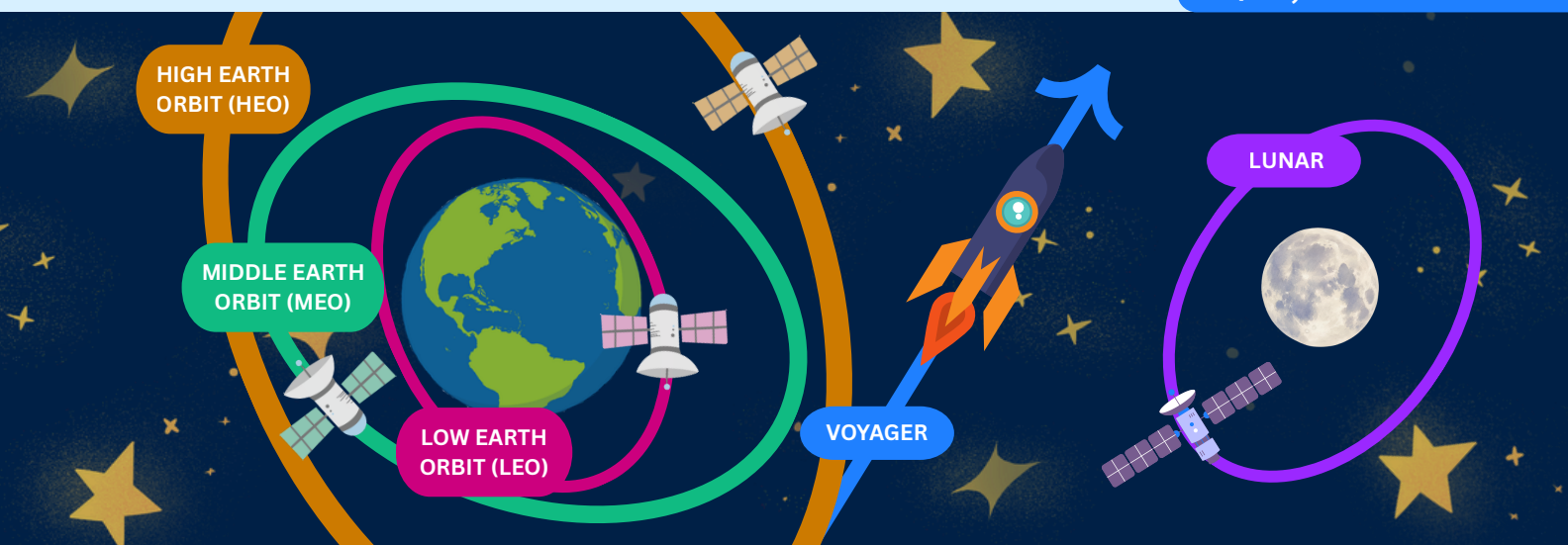
HEO
\$5,000

- Logo on CSI project of choice
- Logo on team competition shirts

LUNAR
\$9,000

- Invitation to attend launch events
- Honored at university wide speaker or astronaut event
- Logo on all relevant CSI projects
- Additional benefits open to discussion!

VOYAGER
\$24,000



Contact Us!

For any interests or inquiries, please don't hesitate to reach out to us via email.

General email:

columbiaspaceinitiative@gmail.com

External Sponsorships Co-leads:

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Maryam Naser - mn3171@columbia.edu

For more information and to stay up to date with our activities and events:

Tour our website: <https://columbiaspace.org/>

Follow us on Instagram: [@columbiaspaceinitiative](https://www.instagram.com/columbiaspaceinitiative)

Direct Website Link



Direct Instagram Link

