



# MSI 2021 2022 REPORT



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# INTRODUCTION

Fostering the development and supporting future leaders in the space industry is our mission. Since 1980, SEDS has given students nationwide the opportunity for space advocacy, project development, community outreach, and career development.

Space is multidisciplinary - demonstrating that progress is made by bringing together diverse backgrounds and expertise as sources of ingenuity and creative problem-solving to make the impossible, possible. To truly fulfill our space exploration efforts, SEDS is pro-active in providing our diverse community with the professional development skills, opportunities, experiences, and outreach that benefit our space industry.

In 2021 we founded our Minority Serving Institution (MSI) Initiative, centered on increasing and supporting students underrepresented in the space industry through actionable and data-driven steps. We have made great strides with our milestones and revised our strategy to accelerate our level of impact.

# OUR GOALS & STRATEGY

<b>Makeup of the STEM Workforce</b>	<b>White 67%*</b>
	<b>Asian 13%</b>
	<b>Black 9%</b>
	<b>Hispanic 8%</b>
	<b>Other 3%</b>

1

## Grow Diversity Through Partnerships

We aim to collaborate with different organizations in STEAM to increase connection and interactions with MSIs. To quantify our progress, we will track achievements of our Diversity CubeSat Project, to be rolled out winter 2022.

2

## Grow Diversity in Member Base

Our aim is to share SEDS opportunities and programs, as well as interact and include more diverse demographics into the SEDS community. As one example, metrics include number of new MSI and HBCU chapters.

3

## Fuel Diversity in Space

We aim to increase MSI engagement with space related disciplines and programs. Throughout our interactions with MSI programs, we will offer opportunities and support such as through monetary grants for space/science related projects, travel stipends to increase HBCU/MSI attendance at space conferences, student stipends in the form of SEDS MSI scholarships, community and mentoring support, and the creation of more interdisciplinary opportunities.

Note\*: Data from Pew Research Center's 2021 Report, "STEM Jobs See Uneven Progress in Increasing Gender, Racial and Ethnic Diversity".

# CHAPTER EXPANSION

**15** **Total Chapters from MSIs** Five of these chapters were onboarded within the last calendar year.

By partnering with key organizations, we are able to offer attending MSI chapters **travel and boarding scholarships** for our **SpaceVision 2022** conference.

A BIG THANK YOU TO OUR SPONSORS



SPACE FRONTIER  
FOUNDATION

# FINANCES

DONATED  
\$6,461

From 2021-2022

This represents donations from our MSI fundraising campaign in 2021 and grants from our sponsors.

INVESTED

In 2022, we have invested \$9,500 into projects grants and conference attendance. This totals to **55% of total funds are going back to our MSI members and communities.** Compared to 2021, we have increased the proportion of total investments by 67%.

\$3,000

In Grants given to MSI chapters for the Spring '22 semester.

Grants fund a large array of projects: from rockets, to satellites, to community outreach, and even star-gazing events.

\$6,500

In 2022 conference scholarships\* for students from MSIs, or students from minority backgrounds.

Students were able to network with leaders, further their professional development, present their work, and one was even offered an internship. (P.S. They just finished said internship.)

Note\*: Conferences include Satellite, ISDC, SGAC, Newspace.

# NEXT STEPS

1

## Grow Diversity Through Partnerships

We are partnering with AIAA, NSBE, SWE, and SHPE for our Diversity CubeSat Projects. This project will:

- Be a cross-organizational effort to build a CubeSat with the mission of Sustainability by 2026.
- Provide professional development and mentorship opportunities.
- Incorporate community outreach projects and events.

2

## Grow Diversity in Member Base

Through our Diversity CubeSat Project, we aim to grow our member base in a diverse way. This pilot project will take place in Texas, with Texas A&M University, Texas State University, and Le Tourneau University leading the effort.

3

## Fuel Diversity in Space Throughout 2023 and Beyond

We aim to increase our continuous support of chapter projects and minority representation at conferences in the space industry by 50% to this year's total, or \$14,250. We will also be hosting diversity talks between our members and other organizations throughout 2023.

THANK YOU FOR YOUR CONTINUED SUPPORT IN  
OUR PROGRAMS

# THE SEDS-USA DEI COMMITTEE

## **Sara Alvarado**

Chair of Board of Directors  
Lead Author

## **Sunny Narayanan**

J.E.D.I. Leader  
Editor

## **Anand Biradar**

Development Manager  
Report Preparation

## **Kathleen Joslyn**

Diversity CubeSat Project  
Manager

## **Harper Cheyenne**

Diversity CubeSat  
Fundraising Manager

## **Dominic Tanzillo**

Chapter Expansion Manager

## **Mihoko Zhang**

Director of Projects

## **T.J. Carson**

Member-At-Large