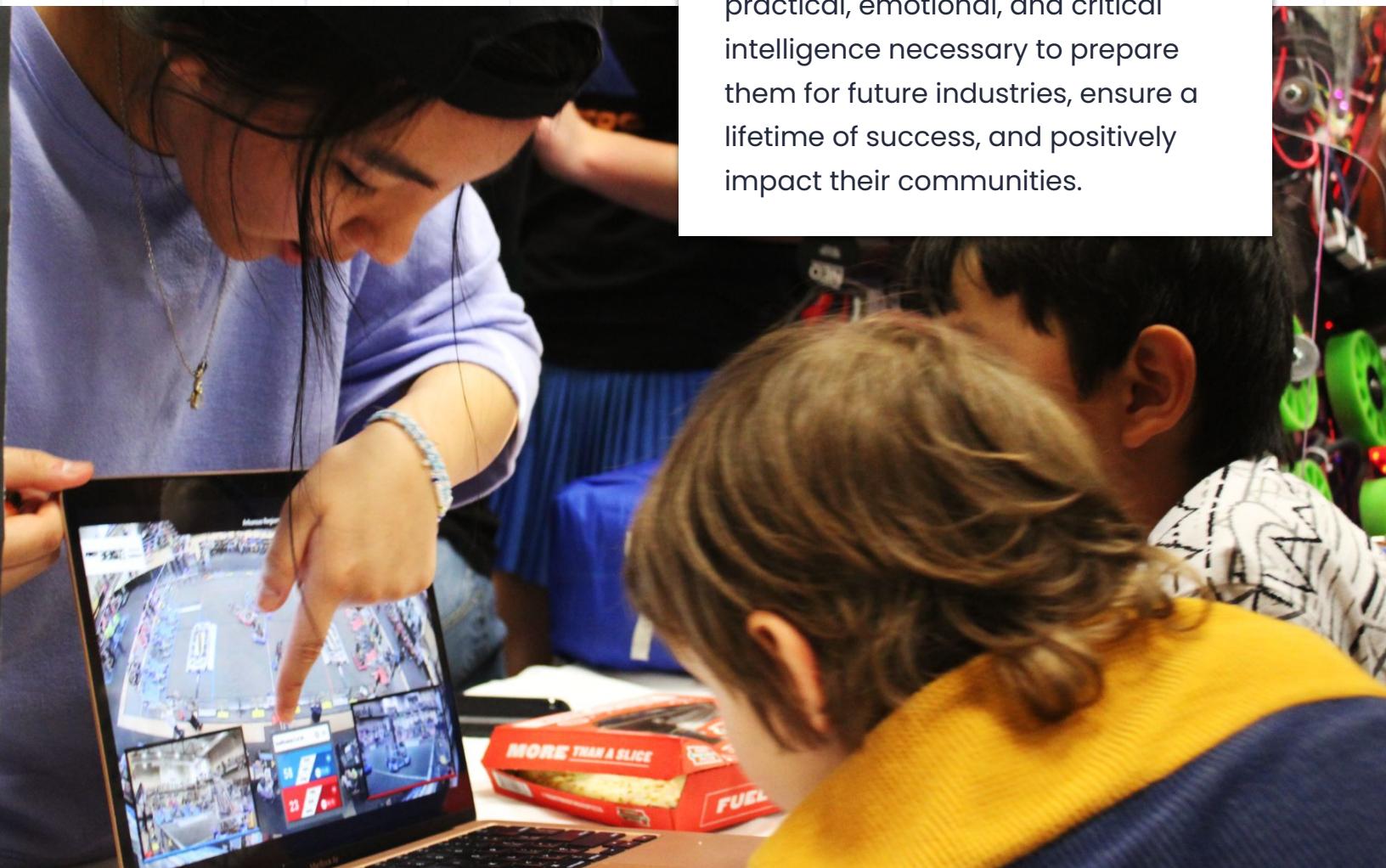
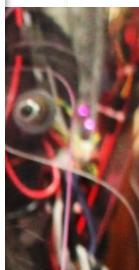


2022-2023
Impact Report

ABOUT US



The mission of ADROIT is to connect diverse communities and provide every student with the practical, emotional, and critical intelligence necessary to prepare them for future industries, ensure a lifetime of success, and positively impact their communities.



To accomplish this, ADROIT provides K-12 students with access to professional STEM mentorship, opportunities, and challenges by directly engaging them in work-based learning alongside professional mentors through a curriculum based in the FIRST Robotics program – which models industry standards and community stewardship

– and facilitating the connection between graduates and community stakeholders, including corporations, non-profits, and governmental entities.

Below is our Impact and Equity Report for 2023 – providing our outreach data and future plans for ADROIT's robotics program, FRC Team 7525 The Pioneers.

RECRUITMENT OF THE TEAM

Within the 2022–2023 school year, we recruited from a multitude of newly identified communities. Due to the span of where our students came from and the populations our mentors originated from, we acquired:



**A 130%
increase in
general
student
participation**

**3 new
mentors
across all
sub-teams**

**67% of
students are
BIPOC (Black,
Indigenous, and
People of Color)**

**50% female
/female-
identifying
student
leadership**

This year, we have one new student who has traveled to join our team from Franklin Road Academy and are making plans to begin incorporating new schools – such as Pearl-Cohn High School, Hillsboro High School, and other MNPS public schools. Our timeline is to continue recruiting from our partner schools and build on our current relationships with the younger students to boost retention.

COST TO RUN A TEAM

Due to your generosity, we were able to take 28 students to the Smokey Mountain Regional in Knoxville, TN and another 28 to the Arkansas Regional in Searcy, Arkansas – putting little to no cost on them to travel with us. By the end of the season, through our final survey mentioned at the end of this report, we were made aware that 5 students would've been unable to compete had our structure of no-cost participation not existed for them. An expense report can also be provided if requested.



WHAT MAKES AN ADROIT PROGRAM DIFFERENT



Q: If you had one word, how would you describe the impact that FIRST Robotics and Team 7525 have had on you?

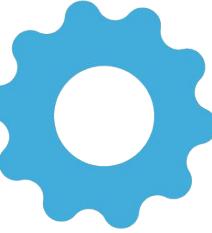
"It has made me zealous. I wanna see the team continue to make improvements and be passionate about what we do and I want to be a part of that."



This year, we have continued providing a safe space to students to be able to explore STEM and business concepts, providing access to laptops, internet, and mentorship at a moment's notice. Mentors have even spent over 10 hours monthly online helping students with tasks as well. We have provided an environment that meets students where they are.

Alongside working to get students involved in their community through our personal outreach, we have provided students with technical skills training, summer programs, and even college counseling. To go more in depth, mentor Shun Ahmed has been providing policy and data science projects to students who need summer involvement. Additionally, mentors Bryce Hanson and Nisala Kalupahana have been partnering to prepare our juniors for the college application process. Even further, mentors Josh Peterson and Benjamin Nadolsky have opened up Adroit to being able to provide previous alumni internships and further uplift them in their desired post-secondary college career. Moving forward, our goal is to expand on these relationships to build more structure for students during our off-seasons or after their time in our robotics program.

620



**individuals impacted by
community outreach events**



COMMUNITY OUTREACH

In terms of this year's community outreach, we have continued our impact within Adventure Science Center and TWISTER, working as a group to make our community and the local Nashville community more open to having women leaders in STEM. Additionally, we have even created a new partnership with the Special Olympics, in which we build them pieces of outdoor equipment to be able to host their seasonal games alongside volunteering with their over 100+ athletes whenever possible. This year, we have raised STEM awareness and spread ADROIT's message of access to over 300 individuals at more than 5+ different events. We have even started aiding international STEM programs by providing supplies to organizations in countries, such as Kazakhstan.

For 2023 and 2024, we are actively looking to expand our STEM impact and identify new partners. Currently, we are preparing to partner with the Nashville Public Library and Aventura Community School. Additionally, we are looking at translating our information and organizing trainings to share with the community and help other burgeoning STEM programs emerge. For example, in our emerging partnership with Aventura – a local school focused on bilingual Spanish & English education – we are preparing to aid their efforts in launching a LEGO robotics program for elementary and middle school students.

Furthermore, with our recent investment in uplifting women in STEM, we are spending this summer building the infrastructure for us to be able to host a safe and open environment for young girls/female-identifying students to be able to ask questions about the field, get trained on technical skills, and even get mentorship through our team.



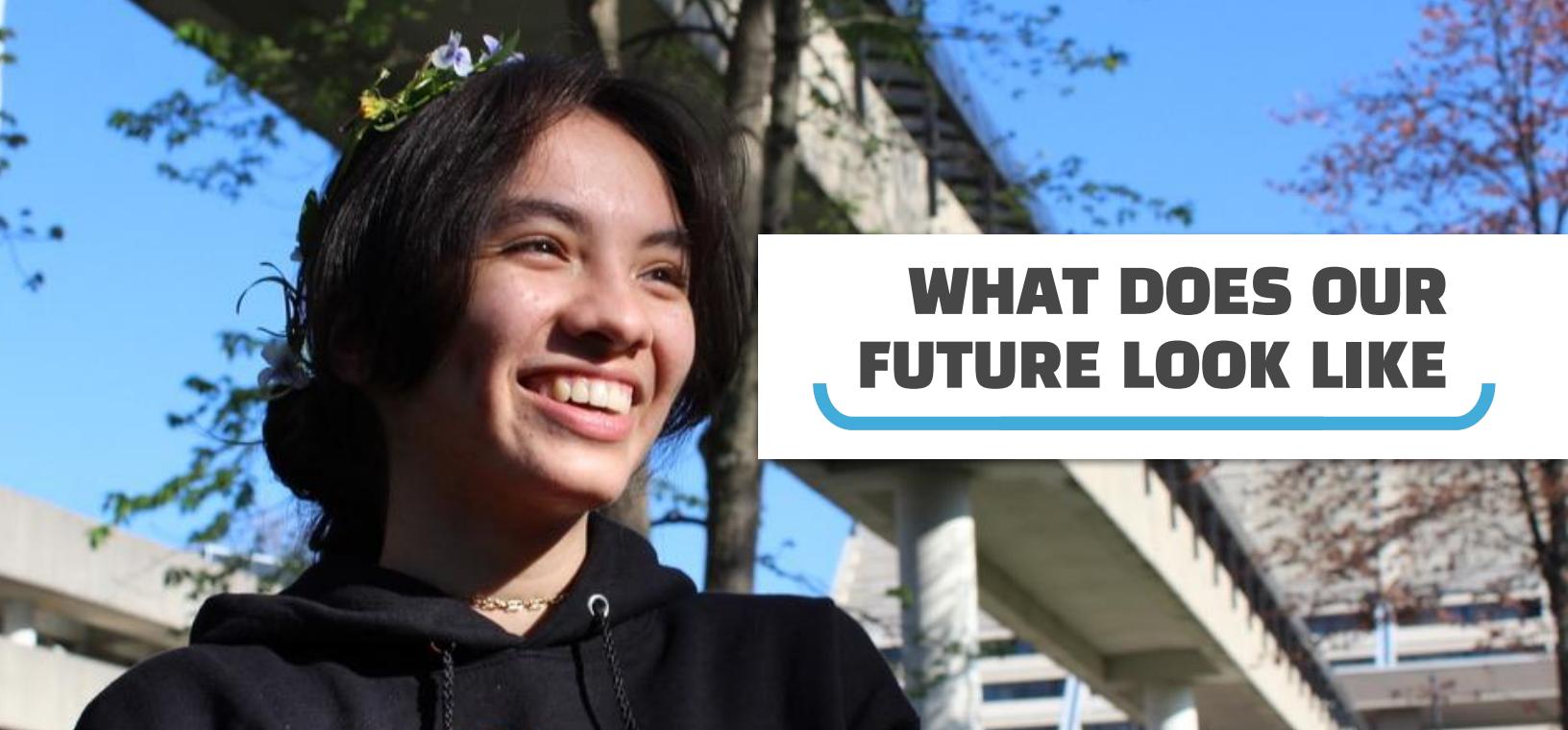
HOW DO WE MEASURE OUR IMPACT?

First, by running a curriculum through FIRST robotics, we are able to gauge student progress through our competition results. During the students' first regional in Arkansas, we placed 5th seed captain and received the Judge's Award. At the Smokey Mountain regional, we were chosen for the 7th alliance and were semi-finalists. In previous years, we have achieved the Rookie All-Star Award and even had a mentor win the highly esteemed Woodie Flowers Finalist Award.

Second, in closing the competition season, we released our yearly End-of-Season survey, which gave us the following results:

88%	of students perceived an increase in their sense of self-accomplishment.
88%	of students felt more empowered to overcome other academic or competitive obstacles in their life.
93%	of students perceived an increase in their interest in obtaining a post-secondary education.
85%	of students perceived an increase in their interest in STEM or a STEM career in the future.
93%	of students felt more connected to the greater Nashville community.
96%	of students felt that this team has increased either their technical knowledge or social/teamwork skills.
100%	of students would recommend participation in FIRST and in ADROIT's Team 7525 to their friends and loved ones.
100%	of students feel mentally and physically safe and welcomed within Team 7525 this season.

These surveys allow us to build historical data, track long-term alumni progress, and ensure our programs have a meaningful impact on students' lives.



WHAT DOES OUR FUTURE LOOK LIKE

Optimistic about the future – we have identified four primary strategic priorities for 2023 and 2024, as we develop our outreach strategy, transition away from reliance on our school partners, and see several mentors transitioning onto new chapters.

- 1. Infrastructure:** In terms of physical space, we have relied on RePublic High School to facilitate our workshop. However, to reinforce stability, we are locating a new permanent space for our programs. Additionally, in the digital sphere, we are in the process of finalizing our online presence and beginning to advance a strong social media campaign.
- 2. Mentors:** With the transition of several mentors, we are actively looking to expand our network of community stakeholders and construct a bridge to acquiring stable sources of mentors for our students.
- 3. Financial Development:** Funding our programs is always a routine goal. The more financial support we have, the more we are able to expand our impact and purchase training materials to build students' technical skills. Therefore, we are in the process of developing a multi-faceted, scalable revenue model that incorporates a variety of funding sources to ensure long-term sustainability.
- 4. Recruiting:** Our students come from varying backgrounds in terms of income, race, gender, ethnicity, ability, technology, and educational access. However, we need to recruit more students from diverse backgrounds and increase our impact. For example, we hope to undergo a series of outreach projects with the Society of Women Engineers and, hopefully, Girl Scouts to bring more female students and mentors into ADROIT's programs.