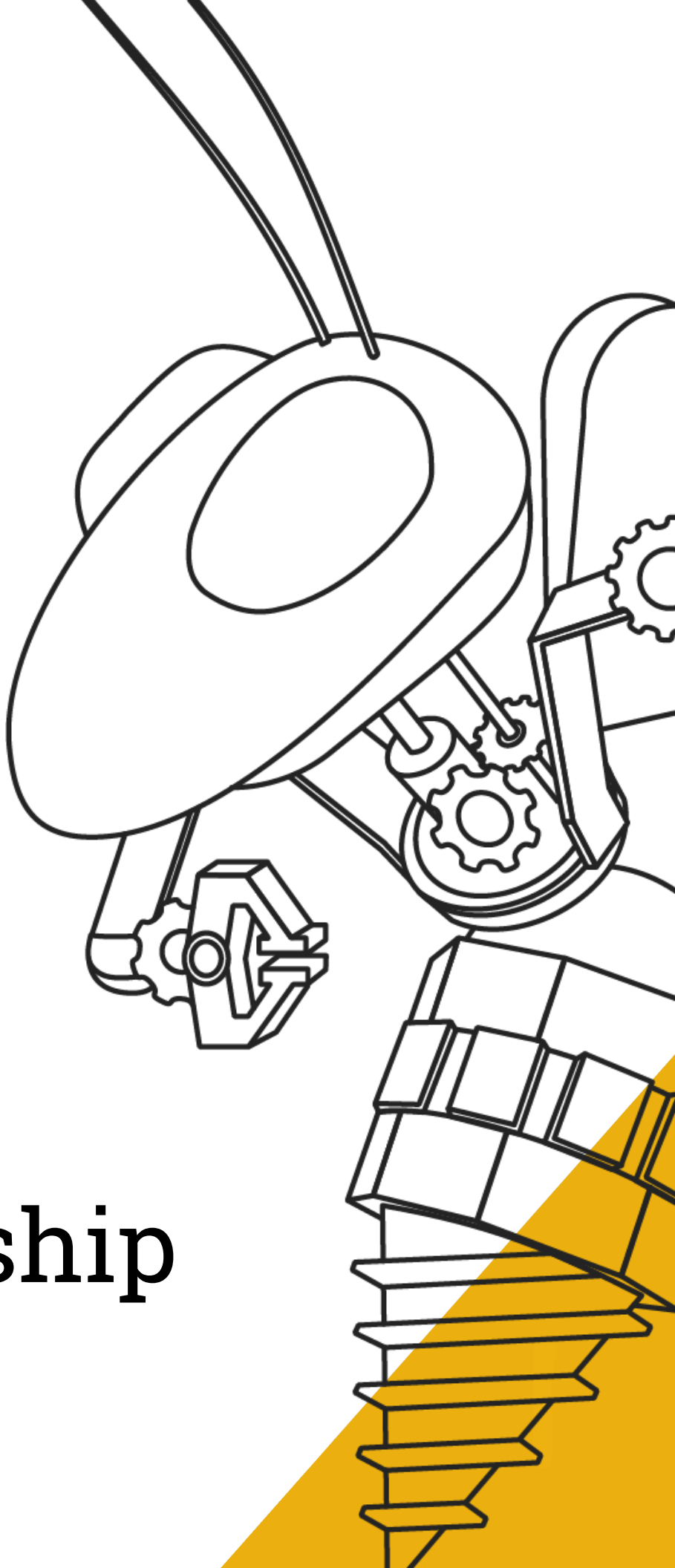
RoboJackets

Competitive Robotics at Georgia Tech



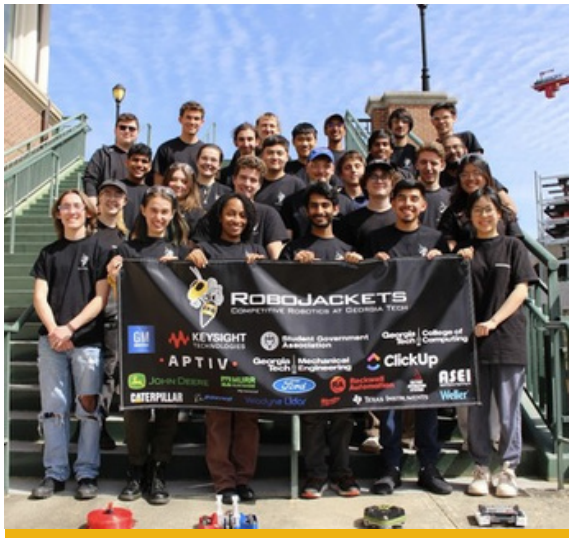
Sponsorship Packet

2025 - 2026

We strive to **promote, educate, and advance** the field of robotics.

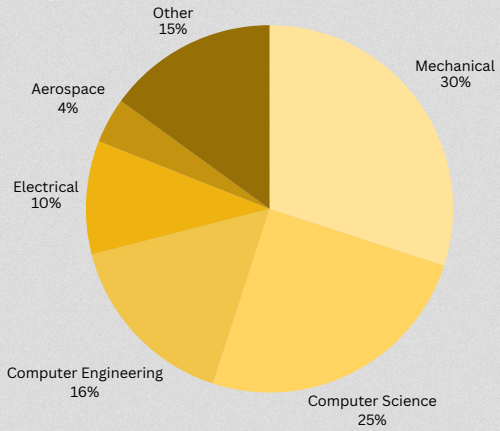
RoboJackets was founded in 1998 by one small group of students interested in combat robotics. Now, we have grown to over 400 students, faculty, and alumni actively contributing to our numerous robotics and research projects. Collaborating across several subject areas, our members work year-round to compete in national and international robotics challenges while supporting local STEM communities.

As an organization, we believe strongly in our mission statement: promote, educate, and advance. RoboJackets encourages its members to immerse themselves in the field of robotics through our multifaceted approach. By providing opportunities in leadership, design, prototyping, and manufacturing, students are better prepared when entering the industry. We strive to encourage the next generation of engineers through community involvement and to challenge technical boundaries worldwide.



3lb combat robotics teams composed of mentors and mentees compete at regional competition

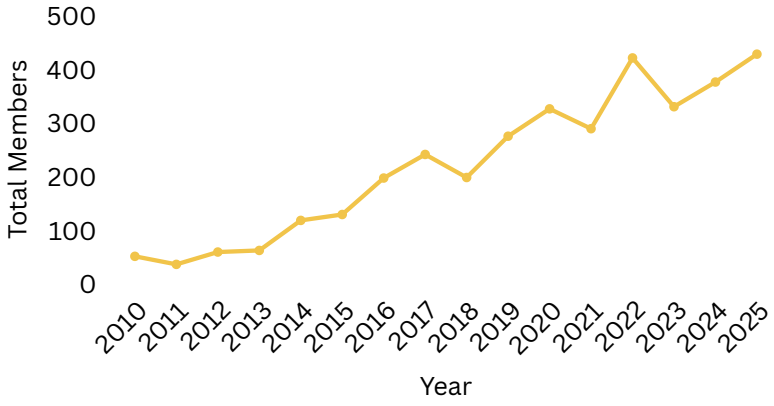
RoboNav's rover competing in the 2025 University Rover Challenge



Pursuing a variety of majors, students engage in rich interdisciplinary experiences to better prepare themselves for industry through both leadership and competitive robotics. The representation of students by major can be seen above.

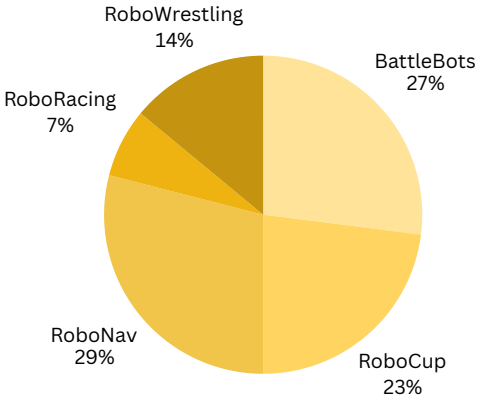
Take a look at

RoboJackets by the numbers.

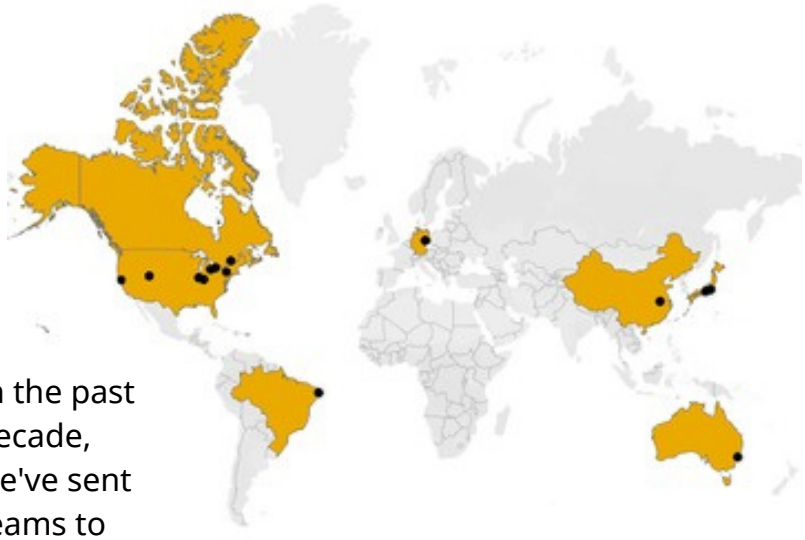


428 members

are divided amongst 5 teams, with BattleBots and RoboNav being the largest.



Since 2010, our membership has grown by 800%. Now, RoboJackets is a thriving organization with five different competitive teams developing a wide range of robots.



In the past decade, we've sent teams to 7 countries.

Our members have the opportunity to compete their creations at both the national and international level. Here, they have the chance to bring their hard work to the global stage and engage with engineers all over the world.

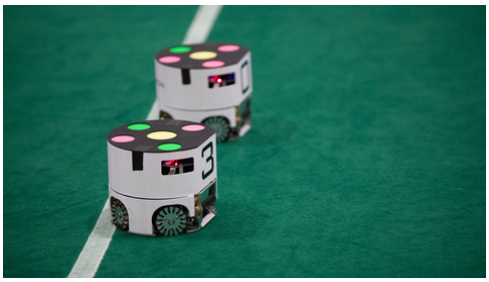
We are home to
5 different competitive teams.

BattleBots

The BattleBots team designs combat robots in various weight classes with the aim to disable their opponents. The team focuses on mechanical design, manufacturing, and electronics.

2nd Place at 2024 NHRL World Championship
3 Robots Currently Qualified for 2025 World Championship

RoboCup



The RoboCup team competes in the Small Size League (SSL) of RoboCup, an autonomous robot soccer competition. The team focuses on artificial decision-making and multi-agent cooperation.

1 of only 2 American teams competing in 2025 RoboCup SSL

RoboNav

The RoboNav team competes in the International University Rover Challenge (URC) with a Mars rover and drone duo. The team focuses on dextrous manipulation, rough terrain traversal, scientific analysis, and path-planning.

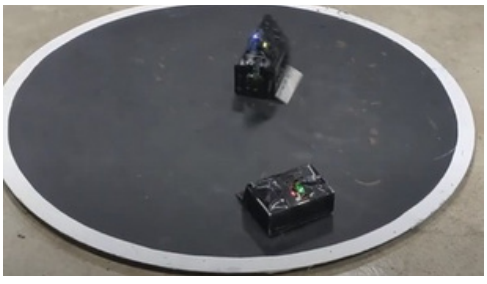
Placed 34th at URC 2025

RoboRacing

The RoboRacing team focuses on high-speed autonomous navigation through a track. The team works on two different sizes of robots, one the size of an RC car and the other a full-size go-kart.

5th Place at Autonomous Karting Series (AKS) 2023

RoboWrestling



The RoboWrestling team competes in the All Japan Robot Sumo Tournament (AJRST), and is looking to expand to other competitions. The team develops high-speed robots that autonomously push an opponent out of a ring in order to win the match.

Top 64 at AJRST 2024

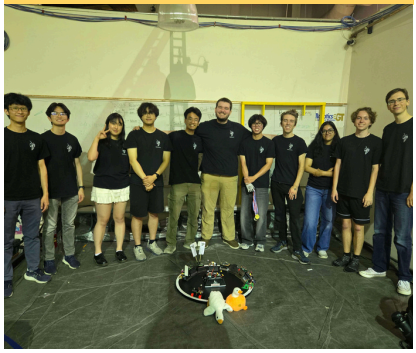
Meet **our students** collaborating on projects.

BattleBots

RoboNav

RoboCup

RoboWrestling



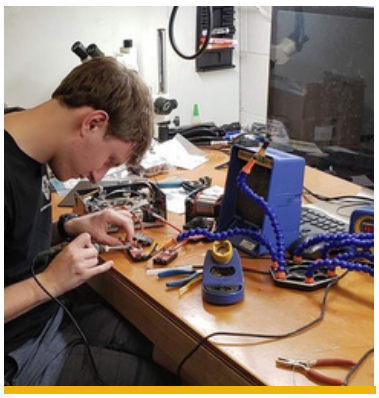
RoboRacing

RoboJackets in Industry

Lockheed Martin, Milwaukee, intel, Microsoft, Blue Origin, NVIDIA, Waymo, Coca-Cola, Capital One, NASA JPL, BMW, CAT, Georgia Tech Research Institute, Ford, SpaceX, Cisco, Tesla, bp, NCR, amazon, GM, Raytheon, P&G, Northrop Grumman, John Deere

Our members go through training to gain **valuable skills and experience.**

RoboJackets has multiple avenues to pass down knowledge to new members, with the most notable being our general training. This program uses a focused curriculum to give new members the skills they need to contribute to our teams. After training ends, our new members begin to tackle our projects and overcome real issues, with older members acting as mentors.



Throughout our members' time in RoboJackets, they apply various mechanical, electrical, and software skills and tools, which better prepare them to contribute to a professional environment. Current students boast the value of their experiences from RoboJackets when participating in internships.

> RoboJackets has provided me with real-world engineering experience, beyond what I learned in the classroom. I credit the projects and training to helping me gain technical background I needed to succeed during my internships.
>
> *- Arvind Srinivasan, RoboCup*

Mechanical

- Autodesk Inventor
- Part design
- CAM design
- Stress calculations
- Finite element analysis
- CNC machining
- Rapid prototyping and conventional machining:
  - Manual mills
  - Lathes
  - Waterjet
  - 3D printing

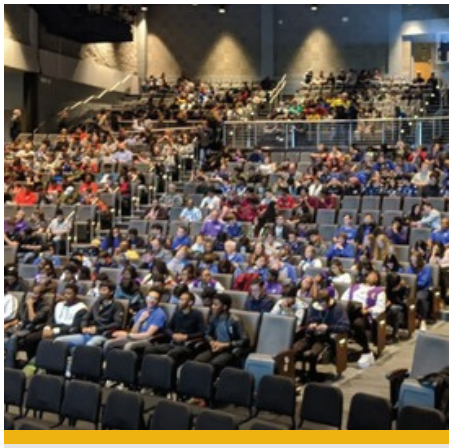
Software

- Specific tools and languages
  - C++
  - Python
  - GitHub
  - CircleCI
  - ROS/ROS2
- Sensor fusion
- SLAM
- Artificial intelligence
- Machine learning
- Multi-agent planning
- Computer vision

Electrical

- Microcontrollers and FPGAs
- Embedded systems firmware
- Autodesk EAGLE
- PCB design
- Board assembly
- Debugging using test equipment:
  - Oscilloscopes
  - Digital logic analyzers
  - Multimeters

Our members work with community organizations to **promote robotics**.



RoboJackets hosts the GeorgiaFIRST FRC Kickoff. This event is attended by over 1,200 students and features the annual game reveal along with mechanical, electrical, and software workshops.

As volunteers...

- We serve STEM communities in Georgia
- We serve over 1,000 hours across the organization
- We impact upwards of 4,000 high school students per year during competitions

As mentors...

- We offer design review assistance to high school students for competitions including FIRST Robotics
- We provide shop tours to inspire future generations and promote interest in STEM and robotics
- We table all over Georgia to connect with thousands of children and students

As leaders...

- We manage hundreds of students annually with over 35 student leaders across teams, outreach, and training
- We manage sponsorship relations and team budgets totaling upwards of $250,000

> Mentorship has been a pillar during my four years here. Every year, we have a deep impact upon youth robotics. I'm thrilled to have been a part of that by putting my time toward not just my future but the future of others as well.
>
> *- Wallace Gray, BattleBots*

> RoboJackets gave me a place where I belong. I have made great friendships, developed new electrical skills, and learned to manage a team of over 40 people. RoboJackets is where I learned to combine engineering and leadership.
>
> *- Marine Maisonneuve, RoboCup*

Any level of support makes an impact.

The generous support we receive from our sponsors enables us to empower local communities and push the boundaries of robotics. Our innovation and success would not be possible without our generous sponsors. RoboJackets uses sponsorships to build robots, send students to competitions, and provide resources to the K-12 robotics community. Monetary donations go through the Georgia Tech Foundation, making them tax deductible.

Tiers accumulate monetary and in-kind donation value each fiscal year (July-June):

Platinum $20,000 +	***Gold benefits and...*** • Opportunity to present at outreach events • Large logo displayed on all platforms
Gold $15,000 +	***Silver benefits and...*** • Large logo on team shirts and banner • Medium logo on robots • Opportunity to send targeted emails for recruitment
Silver $10,000 +	***Bronze benefits and...*** • Medium logo on team shirts and banner • Small logo on robots • Annual recruiting session with the team
Bronze $2,500 +	***Friend benefits and...*** • Access to resume book • Small logo on team shirts and banner
Friend $250 +	• Logo on website • Newsletter with semesterly updates

If your company is interested in pursuing a partnership with RoboJackets, please contact us. We look forward to discussing opportunities for working with you during a tour of our shop space or a call with our leadership team!
Email: hello@robojackets.org | **Website:** robojackets.org

Our Sponsorship Menu

There are many ways to be a part of RoboJackets! We offer a variety of different options to support our needs while simultaneously promoting your brand. Please see below some specific opportunities to get involved with us!

Events

- **VEX Competition**
  Corporate sponsor needed for high school robotics competition
  $1300
- **Fall In-House Tabling**
  Come table at our in-house competition this fall! Have a chance to meet our members and promote your company
  $750

Other

- **3lb BattleBot**
  Have a direct impact on our beginner BattleBots program. Sponsor a team of new engineers building their first BattleBot over the course of a year and compete it in the spring at UGA's Spring Smash.
- **Mini Rover Challenge (MRC)** $500
  Have a direct impact on our beginner RoboNav program. Sponsor a team of new engineers building their first Mars Rover over the course of a year and compete it in the spring.
  $500

If your company is interested in sponsoring a specific project or would like to request detailed information, please contact us. We look forward to answering any questions you may have!
Email: hello@robojackets.org | **Website:** robojackets.org

Thank you to our current sponsors!

Platinum

GM FOUNDATION

SGA — Student Government Association — Georgia Institute of Technology

Georgia Tech College of Computing

Gold

KENESTO®

Silver

BRADDOCK METALLURGICAL

Georgia Tech Student Foundation
Moving Forward by Giving Back

Bronze

Rockwell Automation

SICK
Sensor Intelligence.

BOEING

maxon

Friend

Precision Scorpion Performance

PALM BEACH BOTS
PALMBEACHBOTS.COM

DragonPlate®
By Allred & Associates, Inc.

PROTOSPACE MFG

VECTORNAV

MAXAMPS LITHIUM BATTERIES