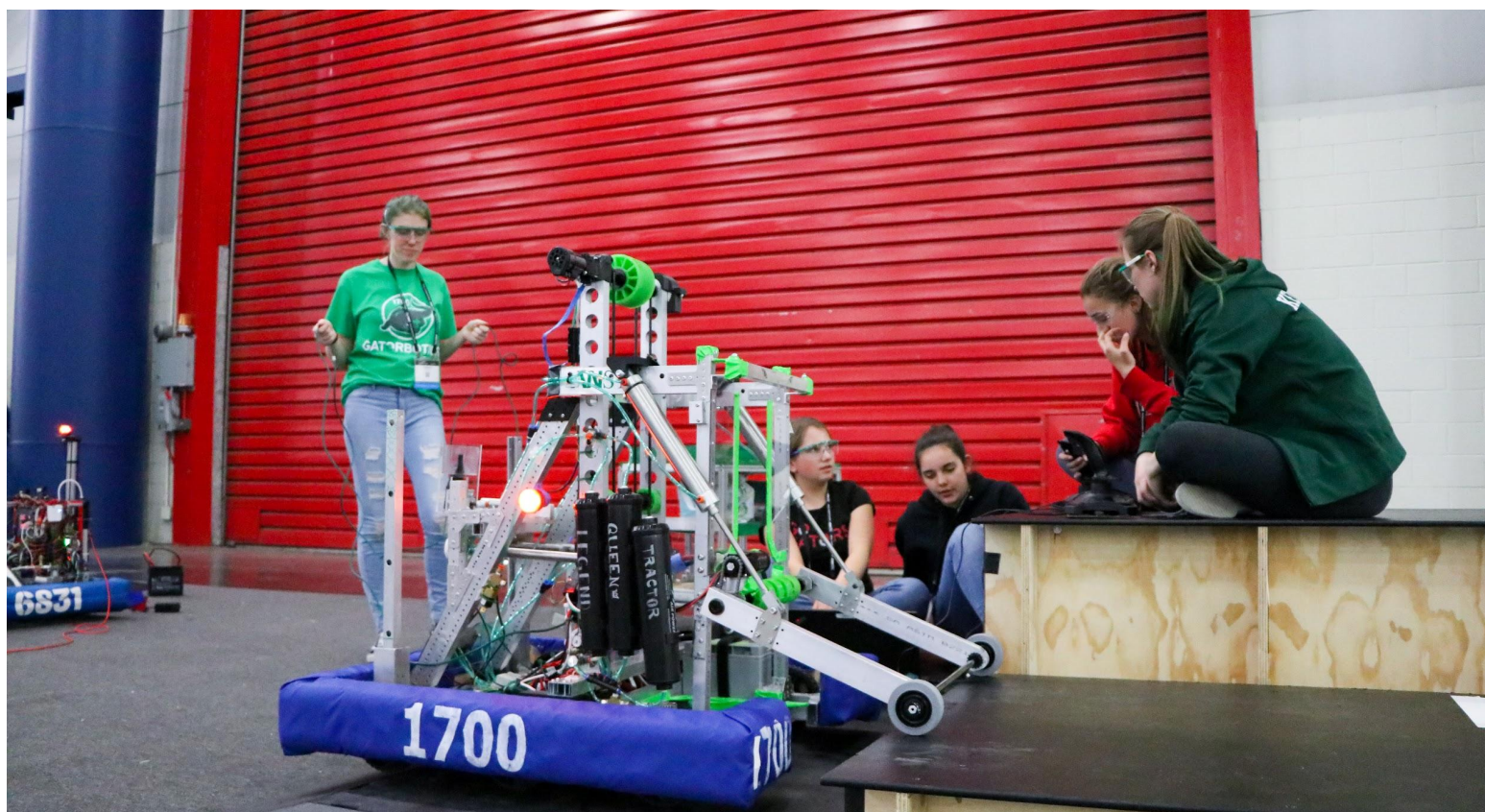
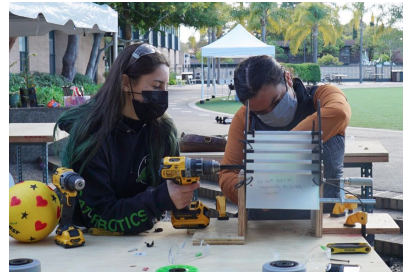


Gatorbotics FRC Team 1700



About Us



who we are

Gatorbotics is an all-girls robotics team from Castilleja School in Palo Alto, California. The 2021-2022 season will be our 18th season competing in FIRST Robotics. We are a student-run, student-led organization that aims to break stereotypes about women in engineering. In addition to building robots to compete in FIRST competitions, we also create opportunities for Castilleja students and other community members to increase exposure and encourage exploration of science, math, technology, computer science, and engineering. As members of our team, students not only gain a strong foundation in engineering, but also develop critical teamwork, leadership, financial, marketing, and presentation skills.

our mission

Gatorbotics strives to provide all members with a learning experience that develops both a technical background and problem-solving skills through the process of building successful robots. We aim to inspire young women, both on our team and throughout the community, to pursue their interests in STEM.

what we do

Gatorbotics pursues the goals of FIRST year round. During the build season, Gatorbotics members spend evenings and weekends in the lab, working to design, prototype, program, and create a robot to play a game designed by FIRST Robotics.

Beyond the build season, Gatorbotics hosts workshops in the Fall that are available to all high schoolers. They cover topics ranging from calculus and controls, to motors and drivetrain design, to entrepreneurship. Additionally, all team members complete a minimum of four outreach activities during the year.

Beyond the Lab



castilleja

Within Castilleja, Gatorbotics has implemented the Big Gator-Little Gator program, which pairs each new Gatorbotics member with a returning member. The program gives all new members the guidance, mentorship, and friendship of a more experienced robotics teammate. Eighth Grade Shadow Days will begin their fifth year this season. This initiative gives rising freshmen who currently attend Castilleja the chance to experience Gatorbotics and encourages them to join as high schoolers. Gatorbotics also provides sponsorship and mentorship for after school robotics and engineering workshops in our middle school. By engaging with our middle school students, Gatorbotics is able to spread a love of engineering to younger girls and begin a passion for robotics early on.

community

In our larger community, we have partnered with the Halford Young Women Leaders' Program to coordinate Science Saturdays where team members work with 4th and 5th grade girls and run science experiments and discussions with them. Past activities have included an egg drop design challenge, LED circuits, and a LEGO robot engineering project. We have also partnered with Street Code, a program that offers robotics and design classes to underserved students. Our team members have mentored the FIRST Lego League (FLL) team at Street Code, allowing us to engage with younger students and introduce the FIRST program at a younger age. During the 2020-21 season, we created an original curriculum which focused on all aspects of the robot, covering gears, pneumatics, strategy, binary and CAD. Through our outreach program, we involved every member of the Castilleja Robotics team to teach this curriculum to 3rd-5th graders around the Bay Area. Our outreach program fostered curiosity and innovation in children fatigued by the COVID-19 pandemic and allowed our team members to teach robotics in a different format.

global

Globally, we have partnered with the Shanghai No. 3 Girls' School to start the first all-girls robotics team in China. In 2013 and 2014, we hosted a delegation from Shanghai of five girls and two teachers for nine days, during which they attended a regional FRC competition in San Jose and participated in our robotics and programming workshops. In subsequent years, Gatorbotics has continued to provide remote mentorship to them as they launch their robotics program.

How We're Unique



TAKE A LOOK AT WHAT MAKES US DIFFERENT.

ONE.

WE'RE STUDENT RUN

We are proud of the fact that our team is entirely student run. Students do everything, from the branding, to the building of the robot, to the communication with sponsors. Our student leadership promotes student growth and takes advantage of each team member's unique skill set.

TWO.

WE TAKE ACTION BEYOND THE LAB

Not only does Gatorbotics spend time building a successful robot, but we also dedicate hours to our outreach program. Every team member is required to complete four outreach activities during the season, and through this program we share our love for robotics and empower young girls to feel the same.

THREE.

WE DEVELOP A CONNECTION WITH OUR SPONSORS

We take pride in connecting with our sponsors on a deeper level. This means that sponsors are invited to tour our lab, earn special invitations to events, and they also receive gear and Gatorbotics goodies. We consider our sponsors as the foundation of our success here at Gatorbotics, because they provide the support necessary to complete our robot through their generous funding. We also see our sponsors as role models and people who can share their knowledge and interests with us. In the upcoming season, we're hoping to engage with our sponsors virtually and in our lab as mentors and as resources for technical questions.

Our Success



While COVID-19 created many challenges for our team, we have had successes with many of our team objectives. We have grown to a team of 50 members, making us the largest student organization on the Castilleja campus. During the 2019-2020 season, we were unable to compete but instead focused on learning and research. We had a large number of new team members, so creating a learning based experience prepared our team with technical skills required for successful seasons to come. During the 2018-2019 season, we attended the Utah Regional Competition where we were selected as the first pick of the #2 ranked alliance and helped the alliance win elimination matches to reach the finals for the first time since our team was founded in 2005. Additionally, we were awarded a “wildcard” for reaching the finals, which qualified us to attend Houston Championships! At Champs, we ranked 13th in our division out of 66 teams and were lucky to finish off the season on a strong note.

Our success was undoubtedly due to the support of our sponsors. Generous sponsorship for the 2019-2020 season gave Gatorbotics the ability to attend off-season competitions in the Fall, develop a robust pre-season robotics curriculum of workshops to prepare the team for the build season, and build a complete robot. While we are disappointed that we were unable to compete, building a robot and strategizing for our season allowed our team to develop new skills. These forced changes asked us to be flexible in new ways and adapt to unforeseen challenges and experiences. Ultimately, we believe our response to change will make Gatorbotics an even fiercer competitor in future seasons.

Our sponsors’ backing in previous seasons has allowed us to purchase a mill, which has been invaluable to our technical success. Sponsorships also go towards funding our many outreach initiatives, such as robotics initiatives with the Halford Young Women’s Leadership Program and Street Code. Gatorbotics strives to build on these successes with new and returning sponsors in the 2021-2022 season.



Highlights



2019:

Finalists, UT Regional
Qualified for & Attended World Championships

2018:

Imagery Award, AK Rock City Regional
Attended World Championships

2017:

Attended World Championships, Advanced to
Division Semi-finals

2016:

Engineering Inspiration Award, OK Regional
Qualified for & Attended World Championships

2015:

Engineering Inspiration Award, Arizona East
Regional
#1 Pit Safety Award, AZ East Regional
Hard-Hat Safety Award, Silicon Valley Regional
Qualified for & Attended World Championships

2014:

Team Spirit Award, UT Regional

2013:

Kleiner Perkins Caufield & Byers
Entrepreneurship Award, Oregon Regional
Castilleja Joan Z. Lonergan Global Investigator
Award

2010:

Xerox Creativity in Design Award, Silicon Valley
Regional
Website Excellence Award, Davis Regional

2009:

Xerox Creativity Award, Silicon Valley Regional
Attended World Championships

2008:

Judges' Award & Safety Award, Silicon Valley
Regional

2007:

Website Excellence Award, Pacific Northwest
Regional
DaimlerChrysler Team Spirit Award, Silicon
Valley Regional
Highest Ranked All-Girls Team in the history of
National Championships

2006:

Kleiner Perkins Caufield & Byers
Entrepreneurship Award
Engineering Inspiration Award, Silicon Valley
Regional

2005:

Rookie All-Star Award, Silicon Valley Regional
Featured in Robot Magazine

How You Can Help



Gatorbotics is unique among FIRST teams because students are responsible for all aspects of the team, including fundraising, in addition to building the robot. **This year, the team aims to raise \$30,000 and we hope you and your organization can assist us in meeting that need.** With your support, our team will be well positioned for our 2021-2022 season and beyond.

While your contribution will go directly towards supporting our team this season, we believe that it actually represents a long-term investment that shows your commitment in supporting the next generation of women leaders in science, engineering, and math fields.

SPONSOR US

	SILVER \$1,000+	GOLD \$5,000+	EMERALD \$10,000+
Signed and framed team photo	●	●	●
Company logo and description on website	●	●	●
Receive team t-shirt(s)	one	two	three
Logo featured on competition robot	small	medium	large
Tour of lab	●	●	●
Invitation to Design Reveal		●	●
Logo on team t-shirts		●	●
Logo on competition banner*		●	●
Robot demo at company			●

**Returning sponsors will have their logo featured on our competition banner*

How We Spend



TO GET A BETTER IDEA OF
WHO WE ARE AND
HOW WE RUN,
TAKE A LOOK AT OUR EXPENSES.

SUPPLIES _____	\$32,000
Everything necessary to build our robot	
COACHES _____	\$20,000
Funding coaches to make our team run smoothly	
FIRST ® REGISTRATION _____	\$10,000
Registration and competition fees	
LAB EQUIPMENT _____	\$10,000
Improving our lab with new technology and machines	
TRAVEL _____	\$10,000
Team transportation to regional & national competitions	
FOOD _____	\$7,000
Fueling the team during lab time	
MERCH _____	\$3,000
Gear and merchandise to show our team's spirit	
OTHER SERVICES _____	\$3,000
Funding outreach initiatives and supporting extra team projects	
Total _____	\$95,000

Thank You!



As Gatorbotics prepares for our 2021-2022 season, we hope we will have the opportunity to partner with you and your organization. While we would love to host you in person, we invite you to virtually tour our Bourn Lab at Castilleja School and connect with our team members online until the risk of COVID-19 in our area has decreased. We truly appreciate the time you have taken to consider sponsoring our team, and we welcome any questions you may have.

On Behalf of Gatorbotics Team 1700,
Radha Ramanathan & Alexis Eskenazi
Entrepreneurship Co-Leads

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[Past & Current Sponsors]

