



RoboDoc
ENGINEERING A BRIGHTER FUTURE
TEAM NEWSLETTER



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SIXTH ISSUE!

Welcome to our sixth issue for the 2022-2023 school year.



This year was truly one of the best seasons for Team 599. For the first time in history, we qualified and traveled to the FRC World Championship in Houston, TX two times in a row! Please read on to get an insider's special edition on the amazing opportunity our team had the honor to experience with this season's robot, Carter the Cardiologist.

WHAT IS THE FRC WORLD CHAMPIONSHIP?

THE MOST PRESTIGIOUS COMP

The FIRST Championship is a culminating, international event for the youth robotics competition season and an annual celebration of science, technology, engineering, and math (STEM) for the community as they prepare young people for the future. High caliber teams all around the world travel to attend this event.

PRE COMP



WHO ROCKS, DOX ROCKS

WHO ROCKS, DOX ROCKS

“ HOW DO YOU THINK THE TEAM WILL PERFORM? ”

AWESOME

I thought that we were going to be very competitive, with minimal failures and really just looking for a good pick and being chosen.

-Mechanical Lead

AMAZING

I knew we were going to perform well. However, in order to meet that lofty expectation, in the beginning of the season, I set three clear goals: to have an autonomous program, to play offense, to be an alliance captain. This was the recipe for success for our team this year, and I hope it lays a foundation for the years to come.

- Head Coach

NERVOUS

I expected Mr. Martinez to have division finalist, 75% of the matches, i thought we could meet the expectations, high expectations.

-Director of Operations

EXCITED

I thought we were going to do pretty well, a really strong performance, replicate or do better than we have done at regionals and show what we are capable of, do better than our team history at worlds.

-E&P Lead

CRAZY

PREPARATION



In preparation for this large task, we made goals that were reachable with our time constraint: study the teams in our division and perfect our floor intake. We wanted to ensure that we were ready to receive anything our division's competition threw at us, which is why we held pre-scouting sessions that helped us learn what we were getting ourselves into.

Our real challenge before attending Worlds, however, was fabricating, practicing, and refining our floor intake. The system worked wonders in our shop, and we were even able to accomplish a pass-through method; something that was reserved for primarily top-level teams this year.





GOALS

We performed a lot better, we designed our own bot this year last year we went with an everybot, this year we were team captains and was able to make points.

-Mechanical Lead

Coming into this competition we had set ourselves high goals. The team aspired to be able to compete in playoffs, not just through alliance picks but as alliance captains. Additionally, we aimed to increase our network and planned to get at least 20 new business contacts to increase opportunities for the team.



INSIDE THE GAME



WHO ROCKS, DOX ROCKS

WHO ROCKS, DOX ROCKS



FOCUS ON OFFENSE

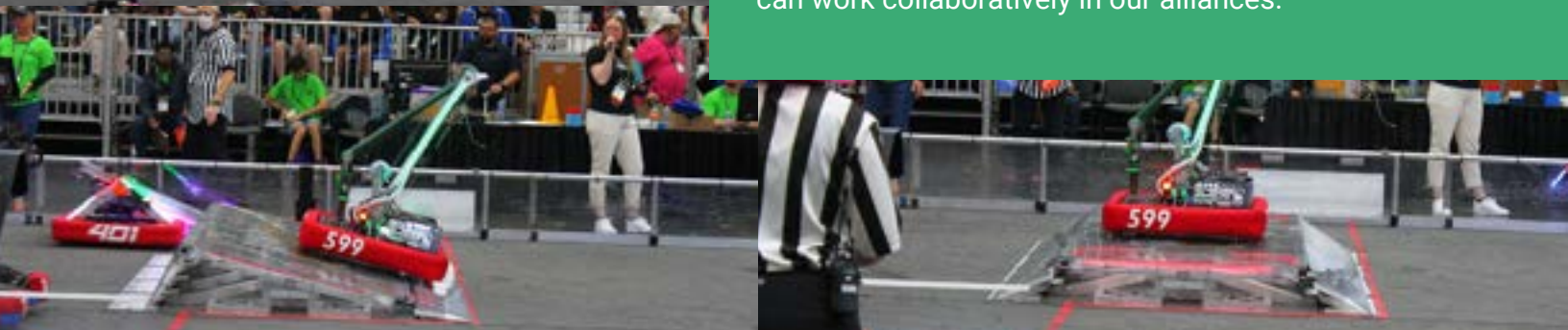
Going into the competition we had the goal of playing offense, so that was our main focus throughout the game. Playing offense meant we were more involved in scoring the points for our alliance and not so much focused on preventing the other alliance from earning points.



STRATEGY!

SCORING AND POINTS

In order to effectively play on the offensive side and score as many points as possible, we aimed to score our cones on the high nodes and our cubes on high shelves, since the higher we scored, the more points we earned. The team also tried to triple-charge whenever we could to show that we can work collaboratively in our alliances.



DID THIS STRATEGY WORK WELL?

Our game strategy worked well in theory and out on the field but because of technical challenges on the field we weren't able to follow through with having Carter aim in all of our matches.



OBSTACLES

TROUBLE ON THE FIELD

Throughout the game, we encountered issues with E&P. Carter had stopped moving on the field in 3 out of 10 of our matches. Likely because we did not pad the robot for transportation and because we did not double-check our wiring.



Another obstacle we faced was off the field featuring our scouting team. There was rough communication between the people in the pit and in the stands, which led to confusing scouting data and even more confused scouts. Luckily, we were in a position where the data did not play a large role in our overall competition. We as a team have already talked about how to improve for next year and the steps we need to take in order to achieve this.

ACCOMPLISHMENTS



The team has improved a lot from only being able to defend to being able to play the full game to the best of their potential. The team also improved the offense on the Carter, which rewarded the team with high scores. All this was accomplished by the team designing their own bot and the leadership of the team captains. This allowed the team to create new connections, and network with different teams in hopes of future collaborations.



OUTCOME

FINAL RESULTS

We ranked 30th place out of 100 teams overall in the qualification matches with a W-L-T (or Win-Lose-Tie ratio) of 6-4-0. Carter also earned a total of 26 Ranking Points. Although we weren't able to meet all of our goals, this competition was a great opportunity to network with teams from all over the world.



SHOUTOUTS



WHO ROCKS, DOX ROCKS

WHO ROCKS, DOX ROCKS

SENIORS THANK YOU!



Not only was attending the FRC World Championship in Texas was one of the team's most valuable and memorable experiences, but it was the last competition for 11 of the team's seniors. All of our current seniors have been true leaders in the team by help building a foundation that will last for years to come and inspiring others to follow their passion. It is with the Robodox's greatest sadness and honor to wish these fellow seniors good luck in succeeding in engineering their next bright chapter in life.

SHOUTOUTS

ELYSIAH NYGUEN

Thank you for your outstanding leadership in logistics, for all the time you put in, and dedication you had for this team.



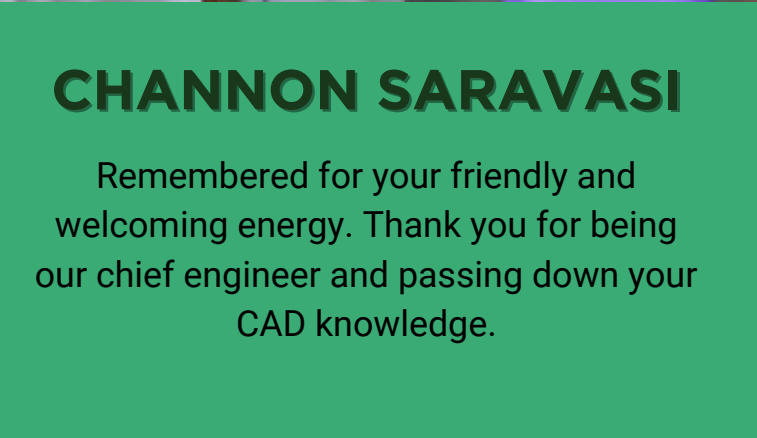
DANIELLE TRINH

You reorganized the team and made it what it is today. Thank you for being one of the best presidents in robo history.



IAN CANDELARIO

A dedicated member in not only in our mechanical division, but in growing the VEX team. Thank you for being the go-to person to help with anything mechanical related.



CHANNON SARAVASI

Remembered for your friendly and welcoming energy. Thank you for being our chief engineer and passing down your CAD knowledge.

SHOUTOUTS

DIEGO PADILLA

Thank you for your insane programming skills and your time leading the programming division.



CONRAD PARSONS

Thank you for your out of the world driving skills and countless hours spent building this team up.



ETHAN CHASTAIN

Our fabulous finance director, thank you for bringing your positive attitude to robo every day.



CHRISTIAN VELA

Your leadership in VEX is greatly appreciated along with all the time you put in passing down your knowledge.

SHOUTOUTS



JACKSON ROODMAN

Thank you for your fantastic work in programming, your leadership in outreach, and devotion to building up the FLL team.



DYLAN BAILES

Thank you for being our CNC expert. We appreciate your friendly attitude and how open you are to helping everyone. We admire your creativity and all the hard put in.

JACKIE SAMILTON

Thank you for your amazing E&P contribution. We love your your continuous positivity and how you are always fun to be around.

THANK
THANK YOU!
YOU

SHOUTOUTS

MENTORS THANK YOU!



The Robodox's biggest strength lies not only in its members, but all our mentors. With all the mentors whether its the coach or being active online, the knowledge they possess and pass down is vital to the team's success and all our accomplishments. By being surrounded with all these successful people in the STEM field, it fuels the team's energy and motivates us to go beyond our boundaries. Thank you to all the mentors of Team 599, all your hardwork and time spent with us is immensely appreciated and treasured.

SHOUTOUTS

GORDON WONG

Thank you for passing down your knowledge and all the support you provide in our workshops.



CHRIS SIEGERT

Your expertise in physics and mechanics is out of the world and it is a huge honor to learn from you.



WILLIAM KALMAN

Your truly one of a kind, from your impressive networking skills and your dedicated passion in contributing to the growth of the team. All your countless hours is hugely remembered.



DAVID PAULSON

Your ability to teach others is out of the world and your greatest quality is the kindness you radiate in allowing and guiding us in using your machines.



SHOUTOUTS

ADAM HERSH

Your positivity always brightens the entire team. And your constant communication and passion to help the team be more ambitious is very appreciated.



SAM FISCHBACK

Thank you for your devotion in guiding our VEX teams and giving them the tools needed to succeed and learn new things.



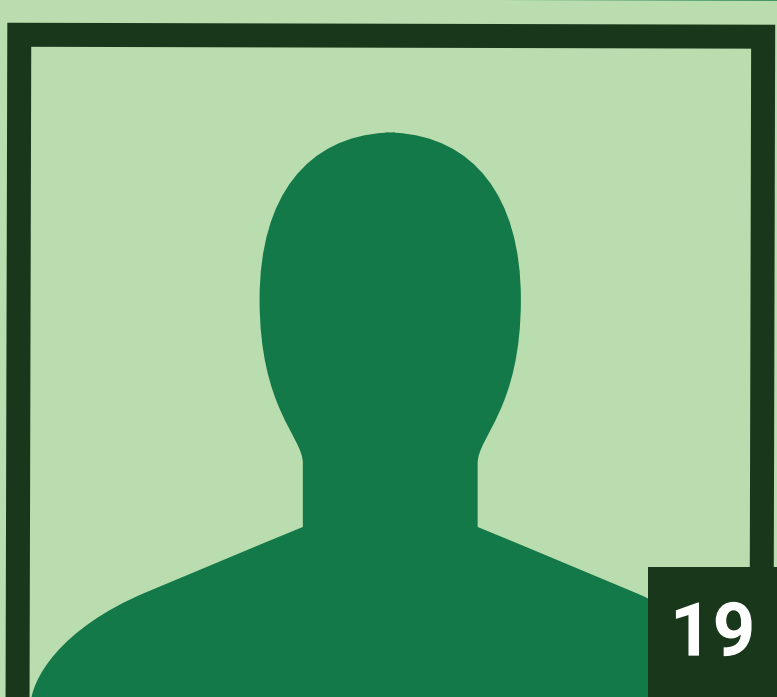
JUSTIN YEUNG

Thank you for your continuous guidance in teaching the team and assisting us in our technical endeavors.



ALFIE GIL

Your personality is always a joy to the team. Your help not only in CAD, but in business along with your support is always noticed and appreciated.



SHOUTOUTS

NIKO GEVORGIAN

As a fellow alumni, thank you for continuing to stay active in building up the team to be better and providing the tools to help us achieve our goals. Your constant presence in the room truly enables us to make better decisions and think of new ways to reach our team's vision.



DOUGLAS KING

It's always a day in paradise in K1 when you are there. Your intense devotion to the team these past few years have all contributed to the team's accomplishments. Your professional advice allows the team to grow stronger and all your time spent and teaching with the team has been an enjoyable experience for all of the Robodox.



DIEGO MARTINEZ

As the first year head coach of the Robodox, thank you for all the time you have put in learning about FRC and VEX. Everyday, you push us to do better and believe in us to set higher goals. Your everyday devotion continuously improves and motivates the team. Because of you, kaizen is apart of our workspace and team values.



SHOUTOUTS

THANK YOU MR. KHOI!



Mr. Khoi was one of our most active mentors on the team this season who unfortunately passed away this year. He was an incredible mentor and role model for the team and he put in countless hours sharing his knowledge and making sure our team succeeded. He was most involved in the E&P subdivision and really helped us out in that area. He was always in favor of our success, not just as a team but also in our future careers. He would remind us that being in robotics gave us experience with what it would be like in our future workplace. Along with all of his shared wisdom, we will remember Mr. Khoi for his easygoing and inspiring personality. He talked to the team like a friend and taught us like the great mentor he was.

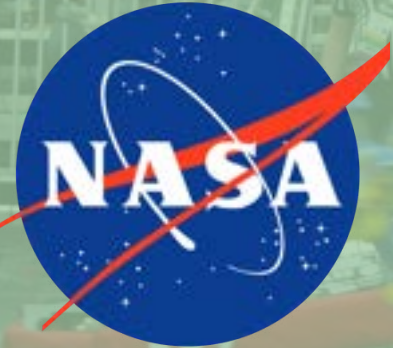
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