



**296B from Arcadia, California**

***Shoot Under  
the Fence,  
Bring out Victory!***

**By Isabella of 296B**

**Girl⚡Powered.**

— PRESENTED BY —

**Google**



# Introduction

We are team 296B. Our team consists of three members that are passionate about robotics. Despite all the changes that have happened throughout the years, our team never gave up and continued to compete. We like to try diverse activities that include, designing, building, programming, and driving. We also love working together and traveling to different locations in the world to compete with other teams! In the 2021-2022 season, our team won the Teamwork Champion award and the Excellence award in States, Skills 2nd place and Teamwork 2nd place in US Open, and 8th place for Skills in the World Championships. This season, we are 8th in the World and 1st in the U.S. by 12/31/22. We always have fun while putting in hard work and determination. We look forward to competing in more tournaments and leagues this upcoming season!

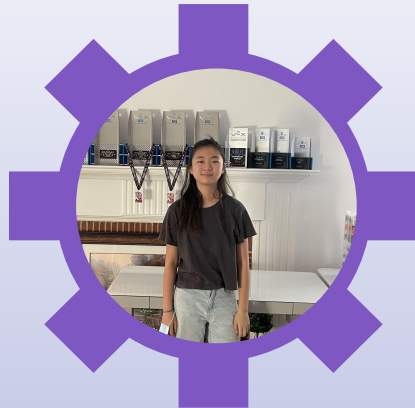


# Team members



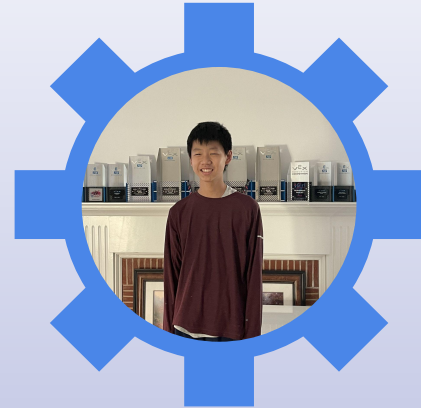
**Isabella Yuan**

Isabella is 12 years old and in 7th grade. She is the first driver and team manager! This season is Isabella's 4th season competing in VEX IQ.



**Nancy Chen**

Nancy is 13 years old and in the 8th grade. She is the programmer of the team! This season is Nancy's 3rd season competing in VEX IQ.



**Darren Chen**

Darren is 13 years old and in the 8th grade. He is the second driver and main builder of the team! This season is Darren's 2nd season competing in VEX IQ.

# The phrase “Girl Powered”

On our team, the phrase “Girl Powered” means giving girls the chance to expand their leadership skills and prosper in their STEM careers. Girl Powered represents strength, independence, confidence, and kindness. To our team, it also means achieving equality and the act of giving the same opportunities to everyone interested in robotics, regardless of gender.

When we think about Girl Powered, an important part portrays sportsmanship, teamwork, and introducing girls around you to the STEM community. In our team’s approach to robotics, cooperation takes a big role in VEX IQ.



# Diversity on the team

Diversity plays a significant role in our team and in robotics overall. Our team contains diverse minds and assorted personalities that lead us to success. We strive to welcome students with a diverse mindset into our team despite their gender and race. During competitions, we love interacting and meeting teams from different places and cultures, particularly U.S. Open and World Championships.



We won the Excellence award and Teamwork Champion in our 2nd tournament this season



# Inclusivity on our team

In our team, it is guaranteed that we give equal opportunities to every member, regardless of any reason. Rather than having one specific person subjugate over everything, we desire to work together efficiently, divide the jobs equally, and create diverse opinions on decisions. We are encouraged to make our own choices, but also learn to combine our thoughts in the end. In other teams, girls might be given roles like “scouting” or “journaling”, and are automatically assumed of their capabilities. That is an example of the opposite of how the girls in our team are treated. As a team that includes two strong girls, we make sure every member has a role that interests them. After all, robotics is a welcoming environment for everyone.



# Our team roles

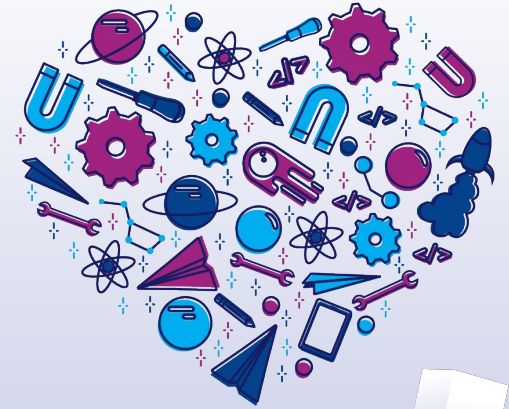


When it comes to team roles, we believe it is important for everyone to go through the experience of each role such as designing, building, programming, driving, scouting, etc. Experiencing the different roles in the team helps limit each of our member's strengths and weaknesses. We are very flexible with our team roles, our members are always encouraged to switch roles when desired. After being more familiar with one another, we choose the roles based on experience, skill, and interest. A team's key to success is cooperation, and picking suitable roles is crucial.



# Diversity of perspective

Diversity of perspective can excessively change how a team works because of each member's different but unique ideas. Everyone comes from different backgrounds and has different approaches. For instance, if all the members had the same thoughts and ideas, they would not lead to efficient solutions. In our team, we believe it is important to listen and learn from each other and design creative ideas. Having various contributing opinions strengthens our team and leads it to success. Allowing others to form different opinions is an advantage because it helps find stronger opinions that have not been discovered yet.



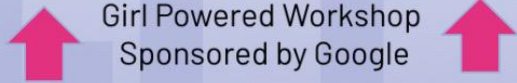


# STEM role model

Our stem role model is Ada Lovelace. She was an English mathematician and writer that is also the first computer programmer in the world. Augusta Ada King-Noel, countess of Lovelace, was an English mathematician and writer. Ada Lovelace was the first person in history to recognize the full potential of a “working machine”. She realized that the Analytical Engine could carry out a substantial sequence of mathematical operations. The example she gave was “how to calculate Bernoulli numbers”. That was considered the first computer program in all of STEM history. Ada Lovelace inspires our team with her amazing bravery and accomplishments. It must have been hard for a “woman” to step up and invent a new STEM program at the time. We admire her bravery and contribution to the STEM world.



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## Bibliography:

<https://www.britannica.com/bibliography/Ada-Lovelace>



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