Vex Robotics Essay

One day during VEX practice, I was thinking on the way to the meet. Why cannot our arm rise as high as the other arm? This was a problem my team had to work out 2 weeks before. We spent about a week before we found the problem. During the week, we looked at the program painstakingly for mistakes, check and recheck our design, and at one point, we nearly took the arm apart to rebuild it. I then decided to take a final look at the arm. I noticed that the collars had some normal screws inside it. I moved the arm up and down and checked if the screws were blocking the arm from its movement. We ran out of time, so I had to do it the next day. The next day I came into the room, I rechecked, nothing was wrong. I did not want to give up yet, so I tried again. I saw that when the arm reached its peak height it was very blocky. I decided to look into it a little more. When I did, found that the screw was blocking it, not just one, but four. it took a little while to fix it, but we managed to fix in a day.