Michael Pacholarz's Resume

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Member of Pope John FTC Robotics Team

When I was attending Pope John XXIII High School, I was a member of the FTC Robotics Team there. I joined the team in my first year of highschool, 2016, and continued until I graduated in 2020. Throughout my time there I learned many things such as planning, designing, manufacturing, building, and programming. In my first year, I became interested in coding and learned how to code the robot in Java. For our team, we competed in a competition consisting of two parts: an autonomous phase and a driver controlled period. For the next three years, I was one of the lead programmers for the team, and in my last two years was team captain. In my last year, I was in charge of teaching all the new members of our team how to code the robot. Together as a team, we successfully competed in each year's competition, and saw great success every year, where in my last year we made it to the state level competition.

Mentor of Pope John FTC Robotics Team

Since graduating from Pope John XXIII High School, I have returned to my high school robotics team as a mentor. Due to the odd year that 2020 was, most of the meetings were online and I was able to join meetings online and teach previous teammates, as well as the new ones, more of my previous knowledge, as well as new knowledge gained from my coding classes at RIT. I continued to do this throughout the year and when I returned home on break, and when in person meetings were happening I was able to come in person to mentor there. Throughout this summer, I have asked the coach if I could run summer workshops to teach interested students from the highschool how to code the robots that are made at the robotics team.

Member of Pope John Zero Robotics

In my Junior year at Pope John XXIII High School, I was invited to join the high school's Zero Robotics Team. The team competed in a global competition that was run by students at MIT. The competition goal was to maneuver spherical satellites on the ISS completely autonomously. To achieve this, we had to work as a team to complete a program in C# that would achieve the goal of the game. First we had to compete in simulated matches, from which we qualified all the way to the top 16 teams, which went to MIT in Boston to watch the live matches on the ISS. We travelled to MIT to watch and there we watched as our code had won us 3rd place in the world.