

Explain how the student embodies the philosophies of Gracious Professionalism and Coopertition through the FIRST Core Values: Discovery, Innovation, Impact, Inclusion, Teamwork and Fun. Please provide examples.

Isaac has deep faith and curiosity. A FIRSTer for 8 years, he started in a homeschool FLL team. He learned coopertition by sharing his robot, program and project with other FLL teams. When he joined 1511, he made fast friends with his teammates due to his technical enthusiasm and leadership. A perfect example of how he embodies FIRST's ideals is when his soccer team played against the School for the Deaf. He taught his team how to sign "good game" to show gracious professionalism. Isaac focuses on how he can best serve the team. When Innovation Challenge needed more help, he knew his skill set would benefit them, so he joined even though he's leading Infinite Recharge at Home group. He's shown terrific time management skills. Taking initiative, Isaac took over the swerve drive base project started last year. He identified students and mentors who can help complete it. The level of innovation, impact and discovery he's shown is impressive, earning him the respect of his peers and mentors!

How has the student increased the awareness of FIRST? Describe the student's interests and/or plans to continue to engage with FIRST beyond high school. Please provide examples.

Isaac spreads FIRST to a unique audience, his homeschool community. He helped inspire 2 new FLL homeschool teams! He also showed off his team's robot and project to spectators at the 2018 FRC Finger Lakes Regional. He continues to promote FIRST through presentations, robot demos and TV news interviews. Isaac has also been involved in our advocacy work, discussing the importance of FIRST and STEM funding to his representatives. He helped run eleven 1511 demos, including our largest demos at the NY State Fair and he organized one at the minor league baseball stadium, speaking to many of the thousands in attendance about how to get involved in FIRST. Begging to attend FIRST competitions with his dad since age 6, Isaac was inspired to be on 1511. He passed on that inspiration through mentoring a FLL Jr team and working with 4 other FLL Jr teams at help sessions. Isaac hopes to keep the inspiration going by continuing his FIRST involvement after high school through volunteering and mentorship. Describe the student's technical expertise, entrepreneurship and creativity. How does the student's individual contributions to the team benefit the team as a whole in areas of fundraising, outreach, robot build, programming, etc.? Please provide examples. As a freshman, Isaac forged his path by seeking student leaders for guidance. He learned strategy and robot driving from our lead driver; succeeded Electrical Subteam Lead from the Team Captain; trained in CAD with our expert senior. Isaac is a self-proclaimed gearhead: from restoring a 1970 Barracuda with his dad to redesigning the robot's swerve drive. Over 2 seasons, Isaac has accrued 450+ build hours. He helps run many team fundraisers and community service events. You'll see him at our scrimmage and offseason events from setup to teardown, volunteering at FLL Camps & FLL/FTC competitions and presenting on strategy at Kickoff. He's held multiple team roles including Scouter, Electrical Lead & elected Student Leader. Isaac is an entrepreneur in and outside of the team. He participated in an entrepreneurial business program through Biz Kids of Rochester and took classes on electronics and Arduino. He does lawn & snow care for elderly neighbors, only accepting payment when they insist

Explain the student's leadership to their fellow team members. How do they motivate others? What is their leadership style? Please provide examples.

Isaac is a leader with vision. During meetings, he is actively engaged in the discussion, sharing his ideas and often messaging mentors offline with more solutions. He knows how to break down solutions into manageable steps that motivate teammates to work together. And when teammates have questions, he answers them as a call to action of how he can personally help. He also adapts quickly, which is important for his roles on drive team and pit crew and prototyping during Build Season. This skill also makes him a great teacher, such as training students how to use the tools to wire the robot. He honed his leadership skills during a Leader-In-Training course that involves a 26-mile hike with tests and challenges. This year, he was elected to student leadership as Subteam Coordinator, scheduling all subteam meetings throughout the year while communicating with the mentors. He understands how his decisions have a high impact on the team. This makes him a leader that we depend on and trust.