

Community and Outreach

McGill Robotics AUV Team

June 30th, 2025

1 Community

At McGill Robotics, we live by two core mantras, the first being: Team before machine. This reflects our commitment to fostering an internal community within our team. Every few weeks, we host bonding events such as mountain runs, laser tag, and movie nights that strengthen team cohesion. One of our favorite events is Field Day. This day marks the welcome of all new members to the team in September and gives returning members the opportunity to enjoy a enjoyable day at the park.

2 Outreach

Our second mantra is to inspire students to build robots and to build robots that inspire students. We believe it is important to give back to the community, which is why we are an organization that advances the field of robotics while also nurturing a community that values sustainability, collaboration, and education. In addition to volunteering at McGill Robotics events, members of our AUV team take the time to give back to the community. We have included a few highlights of our outreach below. To learn more visit our website.

2.1 RoboHacks Hackathon: Sustainability

One of the most significant events organized by McGill Robotics is its annual hackathon, RoboHacks, which brings together high school, College of General and Professional Teaching (CEGEP), and university students. This event is more than just a competition; it is an opportunity for students to collaborate, innovate, and practice design processes. RoboHacks emphasizes sustainability, encouraging participants to create solutions that are not only technologically advanced but also environmentally friendly. Learn more about RoboHacks on our website: <https://mcgillrobotics.com/robohacks>



Figure 1: Our AUV members outside of Trafalgar

2.2 Trafalgar School For Girls: Promoting Women in STEM

Over the past two years, we have formed a connection with a local school, Trafalgar, and have helped them implement more STEM into their curriculum. Our team has spent time in classrooms assisting students and teachers using 3D printing as a method to learn about design processes. In addition, we hosted a robotics fair for the whole school. A video recap of the robotics fair can be found on our social media.

2.3 Shop Tours and Mentorship

Throughout the year, we open our workshop doors to everyone. We have given tours to interested high school students, CEGEP students, current university students from McGill and others, as well as entire summer camp tours. We are also always willing to lend a helping hand to other teams. We are currently advising a team's AUV capstone project, they hope to compete at next year's RoboSub competition.

2.4 S.W.A.M.: Swimming with a Mission

We have a few members who volunteer with S.W.A.M. (Swimming with A Mission), a non-profit organization dedicated to providing affordable and accessible one-on-one swimming instruction to the with disabilities.