



## **RoboSub 2023**

### **Optional Community & Outreach Submission**

**School/Organization Name:** Carnegie Mellon University

**Team Name:** TartanAUV

**Generic Team E-mail:** team@tartanauv.com

**Submission Date:** May 31, 2023

### **Community & Outreach Submission**

A key objective of the RoboSub program is to strengthen and enhance the community. Teams are encouraged to participate in educational outreach activities and describe those activities here.

Maximum 500 words

#### **Community & Outreach Description:**

There are many public school districts in the Pittsburgh area that have never offered extracurricular programs in robotics and don't have teachers knowledgeable in the subject to help foster a growing team. In order to mitigate this barrier to entry for students interested in competition robotics, TartanAUV joined an initiative to offer help to first-time FIRST Robotics (FRC) teams and other teams whose program was at risk of not returning to the competition. Throughout the month of February, our experienced team members hosted workshops for rookie and at-risk FRC teams, helping students build an EVERYBOT to compete in the 2023 FRC competition. Some of the high school students had never before used hand-held power tools, assembled any robotic system, or programmed. Helping with shop and machine safety, wiring and controls, installing electrical components, and basic programming, our team's experience made a large impact on the students and their ability to pursue their interests in robotics.

[robonation.org](https://robonation.org)