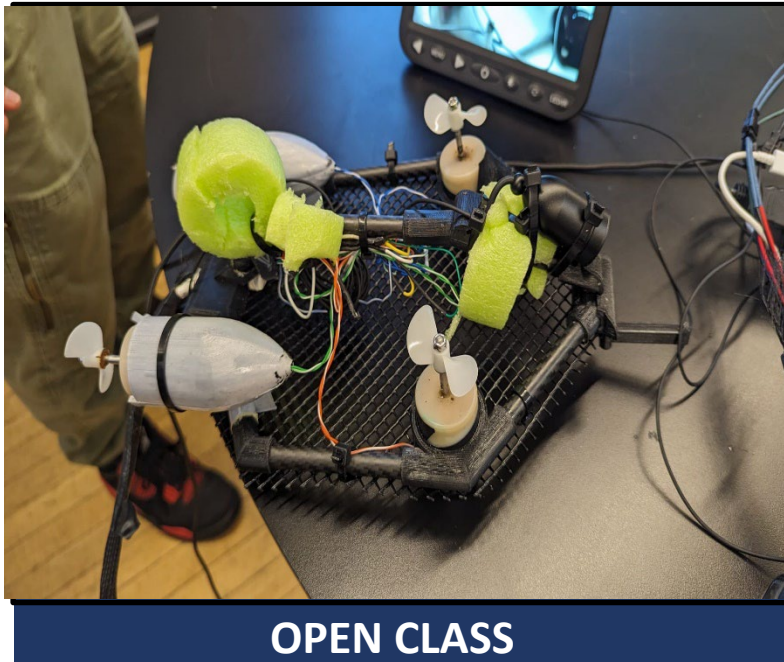


## Dolphins

Union League Boys & Girls Club, Chicago IL, 60608



- 5 Years participating in SeaPerch
- 3 Times at the International SeaPerch Challenge

### **Our SeaPerch is unique because:** (100 words MAX)

Our SeaPerch robot stands out for its tailored design and innovative features. Unlike standard robots, it's customized for optimal performance and versatility. Streamlined for efficiency and it incorporates advanced technologies like a Raspberry Pi-powered controller and specialized camera system. It allows us for a seamless customization into evolving the ROV. In which, our SeaPerch robot is unique for its ingenuity, flexibility, and ability to tackle diverse underwater tasks with precision and effectiveness. This is adding to our first time competing in the Open Class instead of the stock class, so our journey is new and unique to learning new knowledge and capabilities.

### **SeaPerch Design Overview:** (100 words MAX)

Our ROV design prioritizes hydrodynamic efficiency and maneuverability. Streamlined contours and material selection minimize drag, enhancing speed. Innovative features, like a Raspberry Pi-powered Xbox One Controller for camera control, showcase technological sophistication. This meticulous engineering ensures optimal performance in navigating challenging mission tasks within the courses.

### **Our biggest takeaway this season is:** (100 words MAX)

The Dolphins' ROV journey epitomizes dedication and innovation's transformative power. Meticulous craftsmanship and strategic problem-solving optimized performance, showcasing resilience and ingenuity. Our commitment as a team is to enhancing hydrodynamics and velocity to ensure success within the designated time frame. This experience had led us to learn technical skills and instilled teamwork, perseverance, and creative thinking, exemplifying the rewards of passion and dedication.