JUNIOR HUSKIES

Underwater Robotic Solutions

Our mission… Strategic suitability for modern maritime solutions for port cities of the future.

ABOUT US:

Washington Middle School Students

Location:
Seattle, WA, USA

Distance to Int'l Competition:
1,161 miles

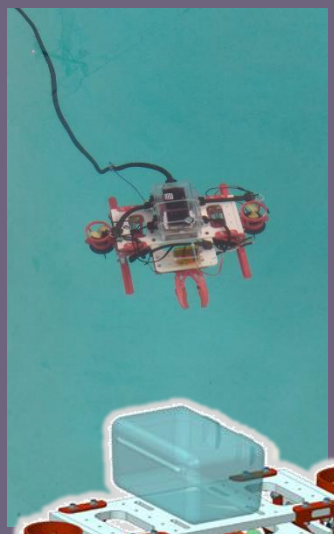
JUNIOR HUSKIES, an Underwater Robotic Solutions company.

We are the Junior Huskies, a dedicated, devoted quartet of students who attend Washington Middle School in Seattle. Our compatibility dates back to Lego Mindstorms' engineering in 3rd grade.

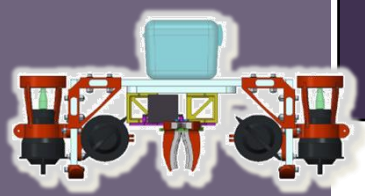
In 2016, our first year of the MATE ROV Pacific Northwest Regional Competition, we took first place in the SCOUT division. This is our first year competing in the RANGER Class.

All Returning Members:
Aidan Grambihler, 8th Grade, CEO, Pilot
Colby Smith, 8th Grade, Engineer, Pilot
Graham Hyland, 8th Grade, Engineer, Pilot
Owen Tiffany, 8th Grade, Engineer, Pilot

L>R: Graham, Owen, Aidan, Colby



3D View



Front View

ROV SPECS	JUNIOR HUSKIES - 2017 RANGER CLASS
TOTAL COST	**$2,040** in expenses and value of donated items
SIZE / WEIGHT	**42 cm x 43 cm x 22 cm; 9.16 kg**
TOTAL HOURS	**662 total team hours in design & build:** Aidan: 183; Graham: 176; Owen: 156; Colby: 147 hours
SAFETY FEATURES	25 Amp Fuse
	Motor Mount Shrouds
	Filed Zip Ties for Wires
	Strain Relief on Tether
	Heat Shrunk Connections
	Tether & Topside Control Box Secured to Table
	Wires to Onboard Electronics Box Potted w/ Epoxy
SPECIAL FEATURES	Starboard Frame
	Servo-operated Claw
	Custom 3D-Printed Motor Mounts/Shrouds
	3D-Printed Landing Gear ("Skis")
	Waterproof Electronics Box
	3D-Printed Brackets
	RS485-based Control System

We'd like to express our gratitude for those who have generously donated time and materials to continue our exciting journey in MATE underwater robotics.