

Cyance

A Division of Atlantis S.T.E.A.M., Whidbey Island, WA
2,080 km to Longmont Colorado



Photo credit: Ash Bystrom

Left to right, first row: Nicholle Sargent, Bixby, Opheibia Neff, Caleb Arndt, Solomon Hilliard.
Top row: Teddy Alexander, Elliott Andrews

Caleb Arndt (CEO, CAD Specialist) 13 yo,
8th grade (1st year)(he/him)

Elliott Andrews (Chief Electrical Engineer)
15 yo, 9th grade (2nd year)(he/him)

Teddy Alexander (Payload Specialist) 13 yo,
8th grade (1st year)(he/him)

Solomon Hilliard (Coding Specialist,
Safety Officer) 14 yo, 8th grade (1st year)
(he/him)

Nicholle Sargent (COO) 13 yo, 7th grade
(1st year)(she/her)

Opheibia Neff (CFO, Team member in training)
11 yo, 6th grade(1st year)(she/her)

Bixby (Emotional Support Dog, Mascot)
Unknown yo, 1st year, good boi



The Bix Buoi
(non-ROV device)

Photo credit: Stephanie Andrews

Special Features:

- 1 degree freedom hydraulic manipulator.
- Multi-use mounted light up camera.
- 6 vectored thruster configuration.
- Camera switcher to fit power budget.

Safety features:

- Kill switch
- 3D printed Shrouds
- Marine grade Heat shrink
- Replaceable fuses
- Strain relief for all wires
- Plexiglass shield

Total cost: 2500\$

Total build hours: 1664

Height: 31.5cm

Length: 59cm

Breadth: 44cm

Weight (in air): 7.5kg

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Photo credit: Tabitha Jacobs-Mangiafico