

Panther Robotics

Company Specs

Location - Fort Lauderdale Florida, USA

School - Pine Crest School

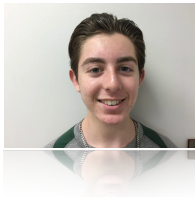
Distance Traveled - 1550.39 KM

MATE History - This is our teams first time ever competing in a MATE competition

Grade Range - 9th to 11th

Team Members

Harrison Freedman - CEO/ Builder, Age 15



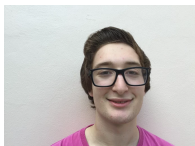
Wyatt Ross - VP/ Programmer, Age 15



Danielle Bejar - COO/ Cad Designer, Age 16



Jacob Zipper - CFO/ Programmer, Age 17



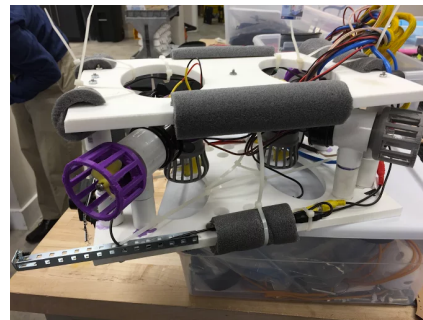
ROV Specifications

Safety

- Reinforced waterproof container with wax to aid in keeping our electronics waterproof and preventing a short circuit
- All edges are rounded to reduce sharp edges
- Warning stickers are placed on all moving parts such as motors.

Unique Features

- 4 HD cameras to give us a panoramic view
- Fully modular design, the electronics and frame can be fully dismantled to aid in servicing broken parts and transporting the ROV
- RS232 serial communications are being utilized to allow for long range communication of sensor data from one Arduino Nano to another
- A custom in house laser cut controller



Total Cost - \$812.63

Total Man Hours - 320 hours each

Dimensions - 27.94 cm, 35.56 cm, 15.24cm