

# Sleepy Fishy by the Water Jets

## ROV SPECS



Name:  
**Sleepy Fishy**



Total Cost:  
**\$2084.65**



Hours:  
**383**



Size:  
**38.42 x 37.62 x  
20.48 (cm)**



Weight:  
**2.5 kg**

## Special Features:

Sleepy Fishy is designed to perform tasks to further scientific research and ocean conservation efforts:

- 3D printed vectored frame is both lightweight but waterproof
- Pneumatic claw transports and positions objects with precision
- Dual camera setup enables high quality video capture for photogrammetry and CAD design

## Safety Features:

- Control board equipped with fuses to protect from overload
- Strain relief system to prevent cable stress
- Thrusters have IP-20 standard 3D printed shrouds/guards
- Pneumatic system has shut off valve and regulator
- No sharp edges or protrusions on ROV frame could lead to potential injury during handling

## COMPANY SPECS



| Company Member    | Role(s)                       |
|-------------------|-------------------------------|
| Amaan Shaghel     | CEO, Pilot                    |
| Kaylee Hou        | COO, Electrical Lead          |
| Akili Ploudre     | Mechanical/Design Lead        |
| Zach Joseph       | Photogrammetry Lead, Co-Pilot |
| Joseph Rodriguez  | Tools Lead, Electrical Team   |
| Zayn Ashraf       | Mechanical Team               |
| Nina Sediki       | Mechanical Team               |
| Nadjila Sediki    | Mechanical Team               |
| Sebastian Morris  | Electrical Team               |
| Kshitij Pete      | Mechanical Team               |
| Antonio Pantaleon | Electrical Team               |
| Aditi Verma       | Brand Designer                |
| Gina Bochicchio   | Mentor                        |

MATE Competition  
History:  
**First year competing**

Distance Traveled:  
**3647 km**

College Levels  
Represented:

**First-Year to  
Third-Year  
students**