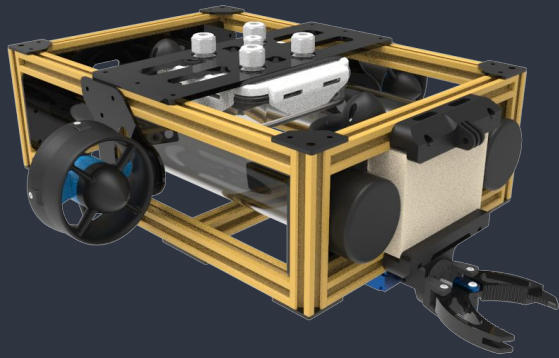


# 1° NORTH

Singapore American School  
Woodlands, Singapore  
15,772 km from ETSU



## ROV SPECS

Cost: SG\$2241.90

Weight: ~10kg

Size: 55cm x 50cm x 35cm

Total Hours: ~700h

## SAFETY FEATURES

- Plastic plate for strain relief on tether
- IP20 T100 prop guards
- 20A fuse
- Toggle switch for ROV and control station power

## SPECIAL FEATURES

- Adjustable lighting
- Fibreglass reinforced nylon 3D printed parts
- BNO055 absolute orientation IMU
- 4K touchscreen interface
- Machine Learning-assisted operation
- Real-time FHD HDMI camera footage
- Aviation grade aluminium peripherals



**Ming Jin Yong [ Gr 11 ]**

*CTO, Head of Mechanical  
2020-Present*



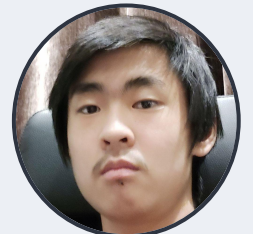
**Emilio Orcullo [ Gr 10 ]**

*Mechanical Engineer  
2021-Present*



**Anay Gokarn [ Gr 10 ]**

*Mechanical Engineer  
2020-Present*



**Jefferson Zhang [ Gr 10 ]**

*CEO, Systems Engineer  
2019-Present*



**Alex Tao [ Gr 9 ]**

*Electrical Engineer  
2021-Present*



**Liam Kelly [ Gr 10 ]**

*Mechanical Engineer  
2019-Present*



**Ayam Babu [ Gr 11 ]**

*CTO, Head of Mechanical  
2020-Present*



**Nitya Arora [ Gr 11 ]**

*Mechanical Engineer  
2018-Present*



**Rimi Chakravarti [ Gr 10 ]**

*CFO, Head of Documentation  
2020-Present*

**Mentors:** Bart Millar, Meredith White, James Harvey