

# rovotics

underwater solutions



## Jesuit High School Carmichael, CA

Distance Traveled - 2,600 km  
Total Cost - In progress, estimated \$13,100  
Total Student Work Hours - 3,800

Matthew Kiyama '17 - CEO  
Collin Meissner '16 - Design Lead  
Sam Kreifels '17 - Manufacturing Lead  
Andrew Chang '17 - Electronics Lead  
Cassidy Nguyen '17 - Software Lead  
Killian Randle '16 - 3D Modeling/CAD Lead  
Carson Black '17 - Marketing and Publications Lead  
Gavin Remme '18 - Engineer, Safety Lead  
Ben Byers '16 - Software Engineer  
Riley Unter '16 - Mechanical Engineer  
Nicholas Ellis '17 - Mechanical Engineer, Machinist  
Drake Charamuga '18 - Engineer  
Sam Paragary '18 - Engineer  
Noah Pettinato\* '18 - Software Engineer  
Risheek Pingili '18 - Software Engineer  
Daniel Brennan\* '19 - Electrical Engineer  
Adam Graham\* '19 - Engineer  
Austin Law\* '19 - 3D Modeling/CAD Engineer  
James Whitcomb-Weston\* '19 - Mechanical Engineer

Jay Isaacs - Head Coach  
Steve Kiyama - Assistant Coach

\*New Members (all other members are returning)



CAD rendering of *Cuttlefish*.

### Special Features

- Under-articulated Gripper
- Point/Tilt/Zoom "PTZ" cameras allow optimal operator field of view
- Simulated bioluminescence

### Safety Features

- Water and humidity sensors in electronics housing and software alerts detect and inform of leaks
- Tether is sheathed for protection and has a strain relief to protect connectors
- Immediate power down with a single key press



Rovotics 2016