

UWROV

Underwater Remotely Operated Vehicles (UWROV) Team at the University of Washington

Seattle, WA, United States (978 miles from competition)

Mentor

Rick Rupan

Business Subgroup

Peyton Lee (CEO, Safety Officer, Treasurer)
Leah Davis (Business Lead)
William Le (Outreach Coordinator)
Quang Nguyen (Team Photographer)
Catherine Redpath (Sponsor Relations)

Electrical Subgroup

Jay Lee (Electrical Lead)
Honyong (Scott) Li (Electrical Lead)
Lakshya Sharma (Pressure Hold Subteam)
Menelik Hailu (Pressure Hold Subteam)
Austin Martin (Tether Subteam)
Simon (Hao) Wang (Pressure Hold Subteam)
Rohan Menon (Pressure Hold Subteam)

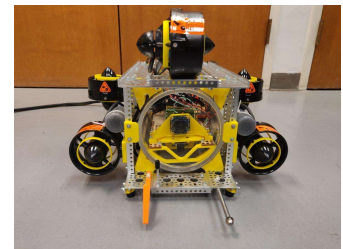
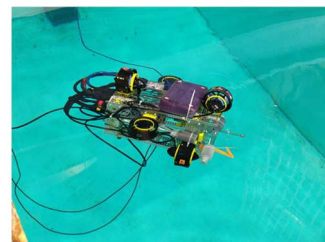
Mechanical Subgroup

Alnis Smidchens (CTO, Mechanical Lead)
Ellie Brosius (Float Subteam)
Teddy Lautch (Float Subteam)
Amanda Pitts (Frame Subteam)
Kenneth Yang (Simulation Subteam)
Ronan Kau (Manipulator Subteam)
Anna Shih (Manipulator Subteam)
Imants Smidchens (Manufacturing)
Morgan Golden (MATE VR World Subteam)

Software Subgroup

Andrew Jang (Software Lead)
Jaden Wang (Software Lead)
Lauren Krieger (Autopilot Subteam)
Daniel Berezansky (Autopilot Subteam)
Marcus Chen (Autopilot Subteam)
Angela Wei (Camera Subteam)
Cindy Zhou (Machine Learning Subteam)
Tuochoao Chen (Machine Learning Subteam)
Justin Ung (Interface Subteam)

UWROV is a returning team. We are comprised of undergraduate students from freshmen to graduating seniors.



BARRELEYE

- Total Design & Build Hours: 1500
- Total Cost: \$3350.75
- Size: 535 mm x 403 mm x 303 mm, 8 kg
- Safety Features:
 - Braided tether strain relief
 - 3D-printed thruster intake shielding
 - Filed corners with soft rubber O-rings
 - Two 48-5V power converters to prevent power surges
- Specialized Features:
 - 3D-printed static and dynamic manipulators
 - Maneuverable design with 6 degrees of freedom
 - Modular, ROS-based operating system

