

# UWROV

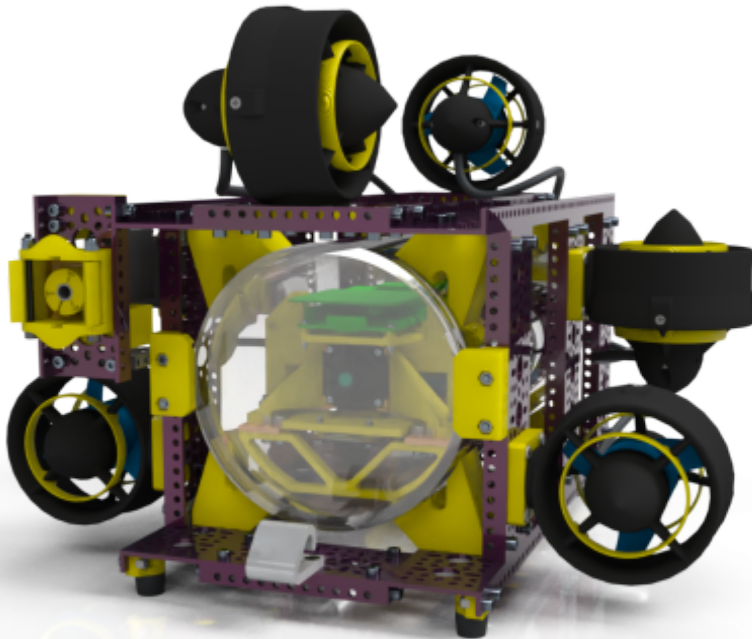
Underwater Remotely Operated Vehicles (UWROV)  
Team at the University of Washington

Seattle, WA, United States (1309 miles from competition)



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

## BARRELEYE



**Total Cost:** \$3121.81

**Size and Weight:** 436 x 403 x 303mm, 7.70kg

**Total Design & Build Hours:** 1800

### Mentor

Rick Rupan

### Business Subgroup

William Le (*Business Lead*)

### Software Subgroup

Olivia Wang (*CEO, Software Lead*)

Ethan Yang (*Control Core*)

Jacob Young (*Control Core*)

Srihari Krishnaswamy (*ML Challenge*)

Vivian Wang (*ML Challenge*)

Rishab Jain (*Computer Vision*)

Joseph Rafael (*Control Core*)

### Electrical Subgroup

Hongyong (Scott) Li (*Electrical Lead*)

Nicholas Leung (*Electronics Chassis*)

Jordan Wu (*Power Systems*)

Ellie Brosius (*Float*)

### Mechanical Subgroup

Alnis Smidchens (*CTO, Mechanical Lead, Safety Officer*)

Imants Smidchens (*Shop Lead, Manipulators*)

Rowan Newell (*Manipulators*)

Patrick McLoon (*Manipulators & Servos*)

Justin Li (*Thruster Guards*)

Edward (Teddy) Lauth (*Float*)

Kota Murakami (*Control Station*)

Dylan Hsueh (*Manipulators*)

Ziggy Avetisyan (*Manipulators*)

Luke Mason (*Manipulators*)

### Main Features:

- Input-regulated propulsion.
- Interchangeable, task-specific static manipulators.
- Six degrees of motion.

### Safety Features:

- Pressure hold temperature regulation.
- Braided tether strain relief.
- Centralized emergency power stop/master power switch.