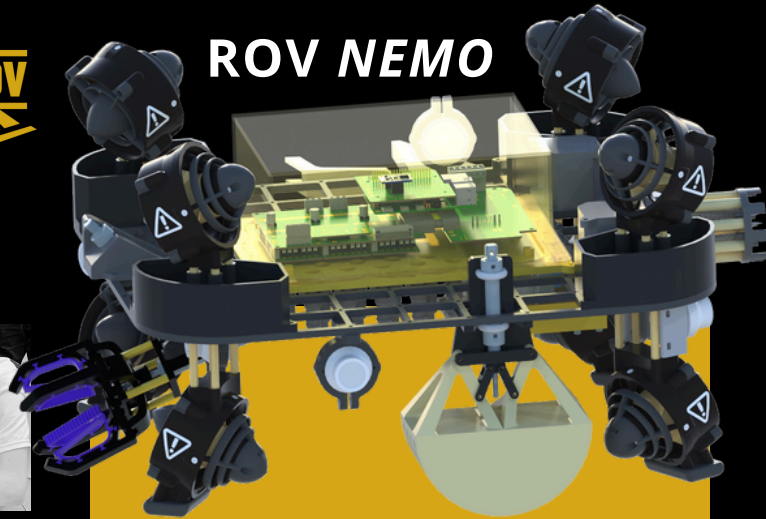


# PURDUE ROV



**Estimated Travel:** 469 miles  
**2023 Finish:** 6th place  
**Year Competing:** 15th year  
**Members:** College Freshman - Senior

PURDUE UNIVERSITY  
 WEST LAFAYETTE, IN USA



## ROV NEMO

**Total Cost of ROV:** \$8,250  
**Total Mass in Air:** 11.135 kg  
**Overall Dimensions:** 69 cm x 51 cm x 37 cm  
**Primary Material:** 6061-T6 Aluminum, Polylactic Acid (PLA) & PETG Filament  
**Total ROV Design Work-Hours:** 12,000 hrs  
**Safety Features:** Master fuse, Integrated thruster shrouds, Software diagnostic tools, Manual disengagement, Internal leak sensors  
**Special Features:** Custom printed circuit boards (PCBs), Solid aluminum electronic enclosure rated to 35m, Standard 2"x2" grid, 30-ms latency camera streams, Pneumatically actuated manipulators and tools

## EMPLOYEES | NEW MEMBERS DENOTED BY \*

ZACHARY NEEL.....*Chief Executive Officer*

### MECHANICAL

ALEX BEERS.....*Mechanical Co-Lead*  
 JORGE VARELA.....*Mechanical Co-Lead*  
 RAYGAN BINGHAM.....*Marketing Co-Lead*  
 HARRISON BOOKER.....*Tools Lead*  
 EVA MARIA DERAMON.....*Marketing Co-Lead*  
 COLTON THIEL.....*Manufacturing Lead*  
 JASON ZHENG.....*Mechatronics Lead*  
 AADYA ABHYANKAR\*.....  
 NIKLAS ANDERSON.....  
 THOMAS CHUANG\*.....  
 JOSH DOMINGUES.....  
 THOMAS HORNER.....  
 TAI HSU\*.....  
 GABE TAMBOR\*.....  
 MIA YAUN\*.....

### ELECTRICAL

RAGHAV KUMAR.....*Electrical Co-Lead*  
 MINH NGUYEN.....*Electrical Co-Lead*  
 DANIEL CHOI.....*Boards Lead*  
 VIJAY TUMMALPENTA.....*R&D Lead*  
 DEREK CHI.....  
 KEONA FIELTIZ\*.....  
 ARJUN GRAMA.....  
 CHRIS HONG.....  
 LEO JANERT\*.....  
 ETHAN KESSEL.....  
 MANYA KODI\*.....  
 JULIA LAINE\*.....  
 ELENA LEHNER\*.....  
 SAHIL MITRA\*.....  
 AYMAN MOTODA.....  
 VINAY PUNDITH\*.....  
 DANA SHI\*.....  
 RHEA VIRK\*.....

### SOFTWARE

NEIL BROWN.....*Software Lead*  
 ANNA ARNAUDOVA.....*CV Lead*  
 BEN BOARDLEY.....*Frontend Lead*  
 CADEN BRENNAN.....  
 ETHAN BURMANE.....  
 XAVIER CALLAIT.....  
 NIKHIL CHAUDHARY\*.....  
 DANIEL CHEN\*.....  
 ADAM KAHL\*.....  
 MARVIN LIM\*.....  
 ANSEN TSAN\*.....  
 VINCENT ZHAO\*.....

### ADMIN

BENJAMIN TAPP.....*Sponsorship Lead*