2019 Finish: 13th Place
Estimated Travel: 500 miles
Year Competing: Twelfth Year
Members: College Freshman – Senior

ROV TRITON

Purdue University
West Lafayette, Indiana, USA

Purdue ROV

Name, Position (New Members denoted by *)

Grant Geyer
Joseph Navarra
Aidan Molnar
Scott Hatchkiss
Read Hedl
Katherine Sandy
Ryan Pearson
Conner Swift
Eric Sibley
Jonathan Heidegger
Ivan Kouzmine
Sebastian Gruenwald

Chief Executive Officer / Electrical Dept. Co-Lead
Mechanical Department Co-Lead
Mechanical Department Co-Lead
Research & Development Lead / Electrical Dept. Co-Lead
Power Head
Logic Head / CCD
Electrical Design Advisor
Embedded Head
Software Department Co-Lead
Software Department Co-Lead
Pilot / Front End Head
Sponsorship Coordinator

Erin Park
Logan Grisson
Rachel Livesay *
Bryce Sasser *
Kaitlyn Yu *
Sam Kavanar *
Chris Leslie
Rafay Imran
David Ho
Abhignan Saravanan
Nathan Fei

Angelo Guarnera
Hanna Hatfield
Matt Koeske
Peter Salisbury
Corina Capuano *
Cyrus Xu *
Aaradhya Jajoo *
Carrie Li
Jason Bleasdale
Zachary Neel *

Mechanical Department
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Mechanical Department
Mechanical Department
Mechanical Department
Software Department
Software Department
Software Department

Mentors: Michael Hayashi, Tyler Stagge

Total Mass in Air: 13 kg
Overall dimensions: 48.3 cm x 47.5 cm x 33 cm
Primary Material: Aluminum 6061 T-6, Polyactic acid (PLA) filament, Polycarbonate
Total Cost of ROV: $7,699.26
Total ROV Design Work-Hours: 14,000 Hours
Safety Features: Master Fuse, Integrated Thruster Shrouds, Software Diagnostic Tool, Manual Disengagement, Rounded Edges
Special Features: Custom Printed Circuit Boards (PCBs), Waterjet-cut frame, 6 30-ms latency camera streams, Pneumatically actuated manipulators and tools, Adjustable ballast