



GEARS

General Engineering And ROV Specialists

Eastwood Schools | Montgomery, AL USA

Member Information

Caleb Anglin* | 10th | CEO / Float Operator

Nickolas Schmidt* | 12th | President / Project Manager

Jacob Shaffer* | 12th | CTO / Pilot

Rachel Smith | 11th | Marketing / Data Analyst

Jonathan Pace | 11th | Tether Operator

Grady Smith | 7th | Programmer / CAD Designer

Lee Sumner – Mentor

** Indicates returning members*



Left to Right: Nickolas, Caleb, Grady, Jonathan, Rachel, Jacob.

Photo by D. Smith.

Team History

Established in 2023, the GEARs ROV team was created after several members visited our regional 2022 MATE competition. Returning from a successful 2023 season, GEARs is committed to producing high-quality products for the 2024 MATE competition.



Vaquita 2.0 Statistics

Total Cost: \$4,658

Size: L: 73 cm W: 44 cm H: 30 cm

Mass: 9.7 kg

Weight (In Newtons): 98.1

Build Term: 628 hours

Distance Traveled to Kingsport, TN: 703 km

Home: Montgomery, Alabama, USA

Special Features

- Powerful thrusters for enhanced mobility
- High-definition camera
- Specialized manipulator with strong grip

Safety Features

- Custom 3D printed thruster guards
- Vent for pressure release
- Braided tether sleeve to prevent snagging

