

*Paid internship NOW with the potential to be hired full-time after graduation!*

# Apply Now! Paid Engineering Internship

## Guided Particle Systems is Hiring!



### AUV Technician

**Spring 2026: 15-20 hours/week**

Guided Particle Systems is seeking a hands-on AUV Technician to support the design, assembly, integration of components, and field testing for an Autonomous Underwater Vehicle (AUV). This role is ideal for a mechanically inclined, detail-oriented maker who is comfortable working with CAD, electronics, and prototyping in a fast-paced R&D environment.

This position will give you the opportunity to develop and apply necessary real-world skills while attaining your UWF degree.

Apply today using the QR Code or visit our website:  
[uwf.edu/WorkforceDevelopment](http://uwf.edu/WorkforceDevelopment)

The UWF Talent Catalyst program combines work experience, classes, mentoring, and essential professional soft skills development.

Email: [workforcedevelopment@uwf.edu](mailto:workforcedevelopment@uwf.edu)



**UWF Talent Catalyst**

UNIVERSITY of WEST FLORIDA

*Amplified by Landrum*

# AUV Technician Job Description



## Key Responsibilities

- Mechanical & Electrical Assembly: Assemble and integrate enclosures, frames, connectors, sensors, and cabling. Perform basic fabrication (drilling, cutting, tapping, mounting, sealing) and assist with waterproofing and marine-grade cable management.
- CAD & Packaging: Create and edit part models and drawings in CAD (SolidWorks). Support mechanical packaging, mounting solutions, fit checks, and generate BOMs.
- System Integration & Testing: Support subsystem integration (power, comms, navigation, sensors). Conduct bench tests, continuity checks, functional validation, and assist with test plans. Conduct multiple field tests (on the water) to evaluate and collect performance data.
- Wiring & Electronics: Crimping, soldering, and harness routing. Basic troubleshooting using multimeters and continuity testers. Support telemetry (LoRa) setup and acoustic system cabling.
- Documentation & Inventory: Maintain build logs, as-built photos, and configuration records.

## Qualifications

- Full time UWF student pursuing a degree in Mechanical Engineering, Electrical Engineering, or a related field.
- Hands-on experience with 3D printing and troubleshooting/repair of 3D printers.
- Basic proficiency with CAD (SolidWorks) and ability to read engineering drawings.
- Comfortable with tools: hand tools, drill press, soldering iron, crimpers.
- Working knowledge of wiring, connectors, and electronics fundamentals (polarity, continuity, grounding).
- Strong attention to detail, organization, and documentation habits.

## Preferred Qualifications

- 1-3 years demonstrated technical experience (preferred).
- Experience with robotics, marine systems (AUV/ROV), or prototype integration.
- Exposure to ROS (Robot Operating System) and Linux-based system configuration.
- Familiarity with DVL/INS/IMU concepts, acoustic/optical communications, and navigation basics.
- Experience with waterproofing techniques (O-rings, glands, potting compounds, IP-rated enclosures).