



Robotics Engineer

Greensea Systems, Inc., a worldwide leader in navigation and control software for Unmanned Underwater Vehicles (UUVs), is seeking Robotics Engineers to support our engineering and innovation team. The ideal candidate will have an exceptional background in robotic control and navigation methods, be a strong team player, and have excellent communication and interpersonal skills.

The Robotics Engineer will report to the Engineering Manager and will be a contributing member of the diverse and passionate engineering and innovation team at Greensea. The Robotics Engineer will design, analyze, develop, test, and implement software control and navigation systems for unmanned underwater vehicles. The successful candidate will strive to deliver innovative solutions to extremely complex robotic positioning and control problems and offer nothing short of 100% effort in doing so. The Robotics Engineer will produce and test software solutions that are used in the field by operators and will deeply understand and appreciate the work those operators need to do. Our team is committed to developing technology that allows the work we do underwater with robots to be more effective and more productive. We are seeking teammates.

Responsibilities

- Participate as a multidisciplinary engineering team member.
- Design, analyze, develop, test, and integrate control and navigation software systems for unmanned vehicles.
- Innovate to discover solutions that enhance the relationship between subsea robots and the operators that use them.
- Produce clear, reliable, and reusable code.
- Actively and passionately participate in field testing.
- Understand how operators use subsea robotics to accomplish modern tasks, discover gaps in the current technology preventing optimal efficiency, and develop innovations to bridge those gaps.

Requirements

- Master's degree in Math, Physics, or similar field with 5 years of relevant experience or a Bachelor's degree with 10 years of relevant experience.
- Proficiency in control system analysis and development using classical and modern methods.
- Proficiency in modern navigational methods including optimal state estimation and sensor fusion.
- Proficiency in mathematics including linear algebra, numerical systems, and algorithms.
- Proficiency in C++ and MATLAB programming.
- Working knowledge of mobile or underwater robot systems, construction, use, and sensor systems.
- Strong working knowledge of the Linux operating system, embedded systems, and embedded Linux
- Strong written and oral communication skills

To apply, please send your resume, cover letter, and salary requirements to careers@greenseainc.com as PDF documents. The candidate must be eligible to work in the United States. This position is based in Richmond, VT. Greensea, (www.greenseainc.com) is an equal opportunity employer. We offer a casual and fun work environment and provide our employees regular training and continuing education opportunities. Greensea offers competitive salaries and a complete benefits package including full health insurance, paid vacation, and sick leave.