



Graphical User Interface Developer

Human Machine Interfaces

GreenSea is the creator of OPENSEA, an open architecture software framework for marine robotics, and is a world leader in navigation and autonomy technology. We develop software and hardware that revolutionizes the working relationship between people and machines both on and under the sea. We are known for innovative and powerful technology designed for in-the-field success—and for the can-do attitude, hands-on approach, and proven ability to get the job done of the people behind it.

GreenSea currently seeks a dynamic, top performer for a fast-paced technical environment. You'll support standard software products for Remotely Operated Vehicles (ROVs), Autonomous Underwater Vehicles (AUVs), and diver mobility systems. You will also support research and development programs in new technology for marine robotics. If you are excited to solve really hard problems, dedicated to 'getting it done', and confident enough to work alongside the best of the best, then we'd like to talk to you.

Job Description

The Human-Machine Interface Developer designs, develops, and tests graphical user interfaces for semi- and fully-autonomous marine vehicles. The successful candidate is a critical member of our multidisciplinary engineering team and is involved with all phases of our agile-based development process. The software developer leads module-level design and development tasks with no supervision, conducts QA/QC testing at all phases of integration, and assists with system-level testing and verification. This position reports to the Engineering Manager.

Responsibilities

- Work independently and participate as a multidisciplinary engineering team member
- Design, develop, test, and integrate the graphical components of cross-platform user interface applications
- Represent the user and advocate for usability in technical discussions
- Maintain software documentation and assist in the development of user documentation
- Support legacy software applications
- Participate in field testing
- Interface with cross-discipline robotics engineers to develop intuitive human-machine interfaces for underwater robotics and emerging technologies
- Interact with customers positively and courteously
- Work within GreenSea's configuration management system

Requirements

- Bachelor's degree in Physics, Computer Science, Math, Engineering, or similar field
- C++ proficiency and recent relevant experience
- 3+ years software experience creating human-machine interfaces using an object-oriented software language
- Working knowledge of the QT graphical UI development framework
- A clear understanding of the importance of user-centered design and design thinking
- Proficiency using both Linux and Windows operating systems

- Ability to take a project from defining requirements through final deliverable
- Ability to manage individual workload and deliver established project milestones
- Knowledge of professional software engineering practices best practices for the full software development life cycle, including coding standards, code reviews, source control management, build processes, testing, and operations
- Fluency and proficiency in modern agile software development practices
- Strong written and oral communication skills

To apply, please send your resume, salary requirements, and cover letter to careers@greensea.com as PDF documents. The candidate must be eligible to work in the United States. This position is based in Richmond, Vermont and cannot be performed remotely. This position may require some occasional travel.

Greensea (www.greensea.com) is an equal opportunity employer. We offer a casual and fun work environment and provide our employees training and continuing education opportunities. Greensea offers competitive salaries and a complete benefits package including full health insurance, paid vacation, a 401k plan, and sick leave.

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