



# Robotics Engineer - Software

Armach Robotics, Inc. is revolutionizing ship husbandry using autonomous robots and artificial intelligence. Through a subscription service, Armach robots continuously clean ship hulls and provide regular hull surveys. Clean ship hulls result in substantially reduced operating costs, lower carbon emissions, and reduced environmental impacts while regular survey data provides the intelligence ship owners need to make on-time maintenance decisions. Using robots that are resident on ships and within ports and harbors that are supervised by remote operations specialists, Armach's service is scalable worldwide at a fraction of the cost required by traditional husbandry methods.

Armach is currently seeking a dynamic, top performer for a fast-paced technical environment. The ideal candidate is excited to solve really hard problems, dedicated to 'getting it done,' and confident enough to work independently alongside the best of the best.

## Job Description

The Robotics Engineer will be a member of the passionate, multidisciplinary engineering team at Armach. This position is primarily focused on integration and software stewardship of Armach's technology with its Hull Service Robots. Additionally, the Robotics Engineer will be involved in all phases of system and technology development including design, implementation, testing, and deployment. They will take part in analysis of navigation sensors and vehicle system dynamics, writing drivers for embedded hardware, writing vehicle and payload specific control software, integration of navigation and control software with vehicles in the field, system and software configuration, and assist with technical support. While this position is primarily focused on system integration, the Robotics Engineer will also be involved with advancing Armach's technology in areas such as state estimation, path planning, computer vision, and vehicle control.

## Responsibilities

- Participate as a multidisciplinary engineering team member.
- Act as POC and steward between software dev team and vehicle production and ops teams.
- Analyze, test, and integrate control and navigation software systems for HSR vehicles and related systems.
- Innovate to discover solutions that enhance the relationship between HSR vehicles and the operators that use them.
- Support clients and operators in execution of Armach's field operations.
- Produce clear, reliable, and reusable code where required.
- Actively and passionately participate in field testing.

## Requirements

- Bachelor's degree in Physics, Computer Science, Electrical Engineering or related field.
- 3-5 years of relevant experience required.
- Proficiency in C++ and MATLAB programming, with recent relevant experience.



- Basic understanding of electrical systems analysis and troubleshooting.
- Strong working knowledge of the Linux operating system, embedded systems, and embedded Linux.
- Proficiency in mathematics including linear algebra, numerical systems, and algorithms.
- Strong written and oral communication skills.
- Candidates with an understanding of control system analysis and navigation methods—including state estimation and sensor fusion—will be given special consideration.

To apply, please send your resume, salary requirements, and cover letter to [careers@armachrobotics.com](mailto:careers@armachrobotics.com) as PDF documents. The candidate must be eligible to work in the United States. This ideal candidate is based in Plymouth, MA.

Armach (<https://www.armachrobotics.com/>) is an equal opportunity employer. We offer a casual and fun work environment and provide our employees training and continuing education opportunities. Armach offers competitive salaries and a complete benefits package including full health insurance, 401(k), and paid vacation, holiday, and sick leave.