

Production Tech Intern

About the Role

Production Tech interns build, service, maintain, troubleshoot, and repair aquatic drone systems. You must understand electrical and electronic systems, sensor and feedback principles, and how robots communicate and work as machines. There is an opportunity to work with vendors, supply chain, and contract manufacturers.

The intern role will include fieldwork with the JaiaBot Platform. You will be assisting in designing a plan for field tests, running acceptance tests for production and with customer demonstrations.

Role Responsibilities

Assembly and Manufacturing

- Assemble mechanical, electrical, and electronic components of the JaiaBot
- Use tools such as soldering irons, drills, torque wrenches, and precision instruments to build JaiaBots as well as test fixtures and associated parts.
- Follow detailed engineering drawings, schematics, and instructions to ensure proper assembly.
- **Testing and Quality Assurance**
- Conduct functional and performance tests on JaiaBots and all associated parts of the JaiaBot system.
- Identify, troubleshoot, and resolve issues related to mechanical, electrical, or software defects.
- Ensure all products meet quality standards, documenting test results.
- **Maintenance and Repair**
- Perform regular maintenance on production tools, JaiaBot systems and equipment.
- Diagnose and repair malfunctioning systems including but not limited to – JaiaBots and JaiaBot control systems.
- **Collaborate with Engineering Teams**
- Provide feedback to design and engineering teams on manufacturability and performance issues.

- Collaborate during prototyping phases to develop efficient production processes.
- Suggest improvements for system designs to enhance reliability and ease of assembly.
- **Documentation and Reporting**
- Maintain detailed logs of assembly procedures, tests, and inspections.
- Work with the production team to update standard operating procedures (SOPs) for production processes.
- **Adherence to Safety Standards**
- Ensure a safe working environment by following OSHA regulations and company protocols.
- Identify and report safety hazards during assembly and testing.

This internship provides hands-on experience in a fast-paced, innovative setting, requiring interns to take a proactive, detail-oriented approach to tackle real-world production challenges and improve JaiaBot's performance and reliability.

Capabilities

Strong verbal and written communication skills, including the ability to operate in a team environment and to clearly explain problems and potential solutions.

Demonstrated track record of effective troubleshooting and resolving issues.

You must be able to create and maintain trusting relationships with teammates and customers.

The duties and responsibilities of the role may change from time to time, at the sole discretion of Jaia. The Company expects that you will adapt to and embrace new or additional duties and responsibilities that leverage your talent, expertise, and enjoyment of what you are good at and love doing most.

Qualifications

We welcome teammates that will contribute to Jaia by leaving your ego at the door, having the right attitude, a passion for our vision, mission and values in everything that you do.

Your employment is conditional upon reference and background checks and providing us documentation regarding your ability to work in the United States. You must sign all required Jaia documents including, but not limited to, Assignments of Intellectual Property,

Inventions, Non-Disclosure Agreements, and such other agreements deemed necessary by Jaia.

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire. You must also be eligible to obtain security clearance.

It Would Be Awesome If You Had

- Experience in engineering, oceanography, business, communications, or marketing.
- Knowledge and experience operating our JaiaBot vehicles.
- Commitment to protect our environment.
- Seamanship or boating skills. If you join Jaia, you will become part of a fast-paced and dedicated team that works together to provide our clients with the highest possible level of service and advice

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