

## Position 1: Embedded System Engineer (Full Time)

### Scope of Responsibilities/Expectations

As an embedded system engineer, you will be part of a cross functional team that develops solutions for remote sensing systems. This position will contribute towards the simultaneous technical execution of multiple projects. Assessment metrics include customer satisfaction, request response time, quality, development time, and cost.

### Specific position duties will include:

- Define and document system hardware architecture based on customer needs
- Hardware system design and test efforts
- Onsite technical review and installation when required
- Perform root cause analysis and resolve issues that appear during system tests, regulatory, and carrier approval processes
- Collaborate with other departments to ensure alignment of system architecture, design, development, and engineering test plans
- Provide input on the level of effort required to complete a project
- Find new ways to analyze and solve problems

### Jobs Requirements:

- Degree/Master in Electrical or Electronics Engineering or related qualification
- 3+ years relevant experience
- Fresh graduate with exceptional mindset may apply
- Experience with sensors and remote monitoring
- Experience with developing sensor-type products
- Strong fundamental knowledge of analog design and system architecture principles
- Proficiency in leading project development with third-party designers
- Ability to work independently with motivation, and self-direction while balancing multiple concurrent projects
- Willing to go onsite for review and installation
- Fluent with Linux system & C/C++ programming in an embedded environment
- Fluent with Hardware and Software integration
- Familiar with Python Scripting Language
- Familiar with PHP/MySQL
- Possession of Class 3A driving license preferred
- Ability to work well in a team and willing to travel if required
- Must have excellent, customer facing communication skills
- Working knowledge of RF fundamentals strongly desired
- Experience in RF system integration strongly desired

## Position 2: Software Developer (Intern)

### What you can expect:

- Experience a range of programming disciplines, including database interaction and GUI development
- Assist and learn from experienced developers
- Participate in reviews relating to code design, test plan and documentation

### Job Requirements:

- Proficient in PHP, JavaScript, MySQL, Linux
- Proficient in JQuery, Bootstrap, CodeIgniter, Laravel
- Comfortable with Unix command lines environment
- Proficient in HTML5, CSS and JS frameworks
- Experience in mobile apps programming (iOS, Android) and GIS application is a plus
- Must demonstrate good communications skills
- Must be highly motivated, creative and thorough

## Position 3: Hardware Engineer (Intern)

### What you can expect:

- Assist in designing embedded systems for environmental monitoring
- Developing new firmware/software components to add new functions to an existing base product including debugging and resolving firmware/hardware EE issues

### Job Requirements:

- Fluency with Linux system & C programming in an embedded environment
- Willing to go onsite to do some installation work
- Knowledge in embedded system
- Experience in sensors integration is a plus
- Must demonstrate good communications skills
- Must be highly motivated, creative and thorough

Closing date for the 3 positions will be until the positions are filled. And interested applicants can forward their intention and CV to: -

[hr-hw@biomachines.com](mailto:hr-hw@biomachines.com)