Firmware Engineer

Location: San Luis Obispo, CA   **Type:** Full-time   **FLSA Status:** Exempt

About AxonVR:

AxonVR is reshaping the way we interact with technology by bringing lifelike touch to digital experiences. When you combine our HaptX™ Platform with virtual reality, you feel an experience that journalists describe as "absolutely magical" and "freaking epic."

We have a bold vision: a world in which virtual experiences are indistinguishable from real life. As trailblazers in haptic technology, each team member is mission critical. We're growing quickly, so now is the time to join us in shaping the technology of tomorrow.

About the position:

As the firmware/embedded software engineer, you will be responsible for design, development and testing of embedded software and firmware that controls entire systems of actuators and sensors for haptic devices. You will participate in design of the system architecture and selection of system components. You will be responsible for writing low level drivers and implementing higher level system behaviors.

Essential duties include:

- Developing firmware for custom haptic hardware

Required Skills, Traits, and Expertise:

- The ability to take command of a project or task, anticipate next steps, ask good questions, and communicate clearly with a motivated, interdisciplinary team working in a fast-paced environment
- A strong foundation in C, C++
- Experience with ARM
- Experience with microcontroller peripherals and register manipulation
- Experience with stringent timing requirements common to embedded systems or real time control systems
- Familiarity with DSP and fixed/floating point techniques and considerations
- Familiarity with common embedded systems communications busses such as: SPI, I2C, UART, Parallel, etc.
- Familiarity with version control systems such as GitHub
- Authorized to work in the US
- Available to work 40 hours/week in San Luis Obispo, CA

Desired Skills and Expertise:

- Bachelor's or Master's degree in Computer Science, Computer Engineering, Electrical Engineering, or equivalent experience
- Knowledge of control systems (e.g. PID) is preferred
- Experience with network hardware and software, particularly for ethernet

To apply: Please submit a PDF resume and cover letter to jobs@axonvr.com with "Electrical Design Engineer" in the subject line.