# Firmware Engineer

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.

## Primary Responsibilities

- Developing firmware for custom haptic hardware

## Required Skills, Experience, and Availability

- 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 Knowledge & Skills [not required]

- 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

Applicants with a [List background] background are preferred candidates for this position, but any applicants with related experience are encouraged to apply.

## About AxonVR

AxonVR brings virtual worlds to life through realistic touch technology. When you combine our tech with a virtual reality headset, you experience an unprecedented level of immersion. Founded in 2012, AxonVR is a team of engineers, designers, and storytellers based in Seattle, WA, and San Luis Obispo, CA.

AxonVR is proud to offer its employees comprehensive health insurance, a 401k plan, paid time off, and equity options.

Interested candidates, please submit a PDF resume & cover letter to jobs@axonvr.com with the job title [Firmware Engineer] in the subject line. Ensure attached documents are titled as follows:

Resume title should read: Firmware Engineer_[First & Last Name]_Resume

Cover letter title should read: Firmware Engineer_[First & Last Name]_Cover Letter