



**Embedded Software Engineer
January 16, 2010**

Requisition #305-ENGR-12

Sturman Industries is a unique company located in the mountains with an environment encouraging innovation and excellence—taking concepts to reality. Sturman is a world-leading developer of advanced digital hydraulic technologies with engine, drive-train, machinery and equipment applications.

General Description:

Sturman Industries' Controls Team is looking for a qualified individual to join our small and highly motivated group. The position involves an array of duties to support Sturman's electronics and controls products, such as: valve controllers, injector control modules, hydraulic valve actuation controllers, engine control units, and custom electronics to control innovative new mechanisms. Many aspects of controls implementation will be required, including software design and implementation, software programming (primarily in C and Matlab®/Simulink®), system test (desktop, hydraulic test cell, and dynamometer), customer support, customer installations, and maintenance. The successful applicant will be a goal oriented individual who is comfortable working in a team environment.

Essential duties and responsibilities will include the following (others may be assigned):

- Algorithm requirements definition and design
- Software design and coding
- System test
- Customer support
- Software and electronics troubleshooting
- Written and oral communication/presentation
- Some travel required

Qualifications:

- Expertise in MATLAB®/Simulink®
- Expertise in C
- Knowledge in embedded microcontrollers
- Knowledge of control systems

In addition, the following skills are desirable:

- Knowledge in SPI, RS232, RS422, CAN, Verilog, Logic Circuit Design, Revision Control Systems (SVN, CVS, ClearCase, SourceSafe)
- Knowledge of test equipment (multi-meter, oscilloscope, etc.)

Education requirement:

Bachelor's degree in Electrical Engineering, Computer Science, or related field preferred.

***Interested Candidates contact Lorie Davey - Sturman Industries Human Resources:
ldavey@sturmanindustries.com***