



Powertrain Technology Group
6021 Triangle Drive
Raleigh, NC 27617

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Scientific Programmer for Machine Applications

Symbrium has immediate openings for s **Scientific Programmers** to develop code for custom engineered mechanical powertrain testing systems. Position are available at both our Triangle Facility in Raleigh, NC and our office in Columbia, SC.

Symbrium works with some of the largest corporations in the world that produce aircraft jet engines, wind turbines, locomotives, automotive powertrains and other highly engineered precision systems.

Responsibilities:

- Support the engineering team with high quality, rapidly deployed, new and modified code to support machine and testing applications.
- Use established scientific libraries to implement state-of-the-art data acquisition, signal processing and analysis techniques.
- Work with engineering team to identify improvements to existing algorithms.
- Create and manage development environments covering source control, testing, release processes and version control.

Experience

- Advanced scientific programming.
- General Knowledge of Instrumentation, Signal Conditioning and High-Speed Data Acquisition.
- Working Knowledge of Digital Signal Processing techniques.
- Experience with relational databases.
- General knowledge of developing intuitive user experiences and integrating efficient data monitoring applications for those systems.

Languages

- Microsoft .Net software development environment
- Python, Java, C, C++
- SQL & Oracle data base.

Preferred

- Order domain analysis as applied to rotating machinery

Mandatory Qualifications:

- A relevant technical degree at BSc or MSc level (or above) in a relevant subject such as mechanical engineering (preferred), electrical engineering, math or physics.

Symbrium, Inc. is an equal opportunity employer. Please submit resume to hr.manager@symbrium.com