

Software Developer; ViVitro Labs Inc.

Posting Date: December 6th 2011
Status: Full time Position
Location: Victoria B.C., Canada

JOB DESCRIPTION

Company Overview:

ViVitro Labs is a worldwide leader in the design and development of prosthetic heart valve test equipment and related testing and consulting services. Since our formation in 1984, we have worked closely with universities, medical device manufacturers and regulatory agencies to support their research, regulatory and production requirements. ViVitro is a known and trusted source of quality products and services, providing decades of service assisting clients in laboratory testing for product development and meeting regulatory compliance.

Our vision is to empower our clients to complete world-leading research, develop high quality, innovative products that enable regulatory compliance and quality products. ViVitro Labs handles custom product configuration and services for many of its clients.

If you are the kind of person who wants to help our clients become successful, make a difference in the community, and honors the ability, diversity and creativity of people you will love working at ViVitro Labs.

Position Profile:

Reporting to the Lead Designer, this full time position will be to design and develop medical device testing equipment software with data acquisition and control capability.

Position Overview:

As a software developer, you will use a Labview programming environment to design and develop a complete software solution. Project development will include an integrated system environment, data acquisition and analysis, instrument control, test and measurement, data visualization, digital and analog signal processing and analysis, hardware integration, numerical analysis and design, process monitoring and control, and much more. The software you create will be used by the medical device industry in a regulated environment. Knowledge of the FDA guideline to verification, validation and testing of software is critical.

Core Responsibilities:

- Create data acquisition and control system using Labview based software.
- Perform research as required to specify and develop or enhance project goal.
- Specify, design, implement, and test software and hardware features and capabilities.
- Diagnose and debug problems arise.

- Work with various communication protocols - TCP I/P, USB, etc

Strong understanding of the following concepts and principles:

- Operating system components and design
- Computer system architecture and organization
- Data structures
- Development methodologies including object-oriented analysis and design
- Good software design and architecture principles
- Deep understanding of how to solve complex technical problems
- Demonstrated capability to independently define and drive significant software projects to successful completion

Position Requirements:

- Requires a Bachelor's or Master's degree in Electrical, Computer, Software Engineering or a related field.
- 2+ years of experience working with National Instruments LabVIEW and other National Instruments products and technologies.
- Familiarity in applying engineering concepts, practices, and procedures to areas such as developing computer and digital system hardware interfaces, designing and developing automated test systems, data systems and instrumentation is desired.
- Data Acquisition, Real Time Operating System, embedded system, and programming design language (C, C++, C#, MATLAB/Simulink) experience is a plus.

Salary will be commensurate with skills and experience along with a profit sharing package. We thank all those who apply to ViVitro Labs Inc., but only those candidates selected for an interview will be contacted. No phone calls please.

Please e-mail your application to careers@ViVitrolabs.com. Please ensure the position title is in the subject line. When sending your attachment, please ensure it is in Microsoft Word (.doc), Adobe Acrobat (.pdf) or text (.txt) format. You can also fax your resume to (250) 483-1975.