

Software Engineer

XLV Diagnostics Inc. (www.xlvdiagnostics.com) is a young and entrepreneurial company developing innovative, x-ray medical imaging systems and bringing them to market. We are continuously looking for talented multi-disciplinary engineers to join our dynamic team and drive forward cutting edge technologies in optics, electronics, mechanics, and software.

We are currently looking for a software engineer interested in the development of world class medical equipment. The work includes devising sophisticated image acquisition algorithms and calibration methods, including image stitching and non-linear corrections, and requires code development under a real-time operating system on a micro with strict performance restrictions and trade-offs. This is combined with maintaining a test and control GUI on a modern operating system.

The XLV Diagnostics' work environment combines high achievement expectations with a significant amount of independence and individual contributions' recognitions.

Experience Level:

- C language family coding - 7+ yrs
- C# language coding in Visual Studio - 1+ yrs
- Design for Unit Test - 3+ yrs

Required Skills:

- C language micro-coding design
- Use of real-time OS
- Use of TCP/IP: including custom packets
- Version control software: SVN preferred
- Design for test
- GUI design
- Large data set manipulation
- Object oriented programming
- Good documentation practices

Desired Skills:

- Verilog designs
- Working knowledge of linear algebra
- Understanding of Fourier transform
- Understanding of signal noise models
- Experience with Matlab or Octave