

Job Profile: RD-18 (IRDF)

Ultrasonix Medical Corporation

Position: RD-18. Ultrasound Software Engineer (IRDF)

Start date: May 2012

Location: Richmond, British Columbia

Details:

- Applicant will submit for NSERC IRDF funding with Ultrasonix as the partner organization
- Full time, 2 year contract
- 4 days working on commercial software applicable to research project, 1 day allowed for pure research development
- Working within a 10+ person software development team

Responsibilities include:

- Developing and maintaining software toolkits for ultrasound equipment
- Developing interface software for an ultrasound research interface
- Supporting and working with customers on custom projects

Required education:

- PhD in Computer Science, Biomedical Engineering, Electrical Engineering, or ECE

Required skills:

- Expert in programming with C and C++
- Expert in Microsoft Visual Studio (v 6.0 and 2010)
- Experience with programming ultrasound devices and hardware
- Experience with source code repositories and bug tracking systems
- Experience developing with the Qt toolkit
- Experience developing network protocols and compression algorithms for the transfer of data and/or video
- Proficient with MATLAB scripting and tools
- Clean coding methods and knowledge of Agile programming
- Ability to generate software based on vague customer requirements

Nice to have skills:

- Experience in developing on the Ultrasonix research interface
- Experience in developing PLUS open-source ultrasound imaging library www.assembla.com/spaces/plus
- Linux knowledge
- Qt and other cross-platform toolkit experience

To apply, please send resumes to kris.dickie@ultrasonix.com and gabor@cs.queensu.ca