

Software Developer

Rutter Inc. (Est. 1998) is a privately held global enterprise, delivering innovative radar technologies that enhance safety, security and efficiency in multiple sectors, including marine operations, oil and gas, and defence. Rutter is currently seeking a forward-thinking and innovative individual to join the Rutter team in the position of **Software Developer**.

Software Developer

Reporting to the Director of R&D, the successful candidate will work as part of Rutter's R&D team to produce new products that are based on Rutter's *sigma* S6 radar processing technology. Sold to a global customer base, *sigma* S6 radar processing technology is based on a server-client architecture, implementing real-time advanced data processing algorithms in an extensible CUDA-based architecture that allows deployment into many different product configurations. This is a challenging position that requires an individual with strong technical capacities in areas of real-time software design and development methodology, scientific computing and technical communication. If you are interested in working in a fast-paced environment with ample opportunity to learn, to share your knowledge, and to build a new and exciting career, this is the position for you.

Responsibilities

- Design, implementation, and maintenance of new software features and products, enhancement of existing features and products.
- Producing software design documentation, participation in design reviews, code inspections, etc.
- Producing technical documentation outlining interfaces, algorithms, and configuration items.
- Participating in knowledge transition for the purposes of internal, installation and user training.
- Supporting existing algorithms within Rutter's *sigma* S6 products, identifying and resolving performance issues.
- Assisting research scientists in data analysis and prototyping of new and alternate processing algorithms.
- Work with the R&D verification and production team to successfully transition projects into commercial production.

Preferred Qualifications

- Master's or Bachelor's degree in Computer Science or Electrical/Computer Engineering.
- 5+ years of technical/scientific software design and development experience.

Desired Core Competencies

- Object Oriented Design and Programming (OOD/OOP) practices.
- C/C++/C#/Qt, GPU-based programming (NVIDIA® CUDA®), .NET framework, Matlab.
- Common communication protocols, including TCP/IP, UDP, and Serial/USB.
- Real-time data, signal and image processing techniques, machine learning techniques.
- Internet/cloud based computing platforms.
- Previous exposure to software programming for marine electronics such as radar, ECDIS, ECS, AIS, GPS, etc.

This position is located in St. John's, NL. Rutter Inc. offers a very competitive salary and comprehensive benefits package, which includes profit sharing through a progressive bonus system. This is an exceptional opportunity for professional growth within a global enterprise. We thank all candidates for their interest, however, only those selected for interviews will be contacted.

Please forward your résumé (in confidence), quoting the job title by November 5, 2018:

Rutter Inc.

Attention: Human Resources
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St. John's, NL, Canada
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