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**EMPLOYMENT OFFER
POSITION: SOFTWARE DEVELOPER**

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Nüvü Camēras Inc. is a high-tech company that manufactures, develops and markets ultra-sensitive low light imaging solutions for ground and space-based applications. Based on an innovation developed for space exploration, Nüvü Camēras' photon-counting imaging expertise now meets the demanding needs of many leading-edge applications such as medical and biomedical diagnostics, night vision, quantum communication and manufacturing quality control, to name a few. Since 2010, the company has put its expertise forward with its highly referenced publications, renowned international clients and innovation alliances at the cutting edge of technology and science. Recognized globally as a leader in its field, Nüvü Camēras is expanding rapidly and seeks to expand its dynamic, creative and professional team.

Positional Summary:

Under the responsibility of the research and development department, this job requires contributing to the development of the acquisition software for our imaging solution (image preprocessing, camera data access library integrated into an SDK, higher-level software, support for Nüvü Camēras' products in third-party applications). From documentation creation to technical support, the hire will learn to evolve throughout the software's life cycle. You need to be recognized for your knowledge of C++ and C, have a keen eye for detail while being able to see the big picture.

This job will involve participation in the development, enhancement and quality assurance of camera software solutions and other related products and services. You may need to understand the needs of customers to assist with the optimal use of our products. You will need to demonstrate creativity in the development of new concepts and be rigorous in identifying major and minor factors in the design of analysis models. In addition to leveraging his talents in software development, the successful candidate will join a multidisciplinary team of engineers, scientists and technicians thanks to his complementarity based on his advanced notions in computer science, image processing and artificial intelligence.

Specific Responsibilities:

- Participate in software development to meet deadlines and deliverables;
- Addition of functionalities to the existing software while respecting the established structure;
- Evolution of the established structure;
- Writing relevant documentation;
- Writing of tests to validate the quality of the software.



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- Raise potential issues and risks to contribute to solving them and point out those that may be slow to resolve;
- Participate in feasibility studies, experiments, development tests as well as the analysis of results;
- Contribute to the strategic development of imaging software solutions;
- Extract, from the customer's specifications, the critical requirements to ensure the software quality of the products or of the products to be improved;
- Communicate the results of its work through reports, presentations and team discussions;
- Understand and follow the company's safety policy, documentation system, quality policy and new product introduction process.

Education and Experience:

A bachelor's degree in Software engineering or the equivalent.

A minimum of 3 years of work experience in software development. Experience in the space, biomedical or in the defence field is an asset.

Skills and Desired Qualities:

- Advanced knowledge of C ++ and C;
- Knowledge of Linux, Windows and Mac OS platforms system programming;
- Aptitude in image processing;
- Aptitude in real-time programming;
- Ability to develop software architecture;
- Ability to program graphical user interfaces (GUI);
- Strong interest in learning new technologies;
- Ability to work within a multidisciplinary team;
- Sense of organization, autonomy, thoroughness and precision;
- Good knowledge of French and English, spoken and written;
- Knowledge of Qt libraries;
- Knowledge of the following tools: SVN, GIT, Jenkins, Jira, Confluence;
- Experience in parallel programming.

Terms:

Position: Full time, permanent (37.5 hours/week)

Schedule: Flexible from Monday to Friday (attendance required between 9:30 AM and 3:30 PM)

Salary: Competitive, based on file



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If this position interests you, please send your Curriculum Vitae and letter of intent to careers@nuvucameras.com. We ask that candidates withhold from calling, as the numerous applications received do not allow us to respond to everyone. We thank you for your interest and will contact you if your application is successful.