



every photon counts

**EMPLOYMENT OFFER  
POSITION: SENIOR 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.

**Position Summary:**

Under the responsibility of the research and development department, this job will require understanding the camera product as well as having a global vision of the various software activities and issues in order to work with the entire software team to ensure the planning and coordination of the development of the acquisition software (image preprocessing, camera data access library integrated into an SDK, higher-level software, support for Nüvü Camēras' products in third-party applications). To evolve through the entire lifecycle of an innovative business, you will need to demonstrate good priority management, have a keen eye for details 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:**

- Plan and coordinate software development to meet deadlines and deliverables;
- Raise potential issues and risks to help resolve them with the appropriate resources and point out to management those that may be slow to resolve;
- Approve feasibility studies, experiments, tests development as well as results analysis;
- Contribute to the strategic development of imaging software solutions;
- Extract, from the customer's specifications, the critical requirements to ensure the software quality of new products or products to be improved;
- Communicate the results of your work through reports, presentations and team discussions;
- Understand and ensure to follow company's security policies, the documentation system, quality policies and new product introduction process.



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**Education and Experience:**

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

A minimum of 10 years of work experience in software development supporting new and complex products. 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 on several projects simultaneously within a multidisciplinary team;
- Strong interpersonal relationships skills;
- Sense of organization, autonomy, thoroughness and precision;
- Good knowledge of French and English, spoken and written;
- Good communicator;
- Knowledge of Qt libraries;
- Knowledge of the following tools: SVN, GIT, Jenkins, Jira, Confluence;
- Experience in parallel programming;
- Experience working to coordinate an R&D team.

**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

**If this position interests you, please send your Curriculum Vitae and letter of intent to [careers@nuvucameras.com](mailto: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.**