

Embedded systems specialist

NGC Aerospace is looking for an engineer or embedded systems specialist to analyze, design, and validate real-time embedded systems (RTOS), integrate software/hardware/firmware, and develop associated software.

Your new day-to-day

- Create embedded systems for unmanned aeronautical and ground vehicles and space vehicles, from the research phase up to system delivery:
 - Implement navigation, guidance, and control software as well as artificial vision software using MATLAB/Simulink and C/C++;
 - Integrate all required hardware, including sensors and onboard computers;
 - Analyze systems using digital simulations of operational environments, dynamic testing in a controlled environment, and field-testing;
- Prepare technical documents using Word, Excel, PowerPoint and present results to customers and partners.

Your new benefits

- The opportunity to work for an international company that is well established and in excellent financial health;
- The chance to collaborate with a qualified team and sound human resource management, open to the sharing of new ideas and innovation;
- The joy of living in the Eastern Townships, a region that offers a balanced lifestyle (wide open spaces, affordable real estate, absence of traffic, etc.);
- A competitive salary that matches your skills and professional experience;
- Three weeks of vacation time upon hiring;
- A flexible work schedule with the possibility of teleworking;
- A group insurance plan with a 50% employer's contribution;
- An employer's contribution to your personal or group RRSP;
- The presence of a social committee that organizes various activities among colleagues and with family members.

Required profile

The essentials:

- Skills and experience with:
 - C/C++;
 - Linux;
 - MATLAB/Simulink;
 - Real-time operating systems including task management (threads);
- Ability to efficiently communicate with colleagues, customers, and partners;
- Knowledge of the English language (written and spoken);
- Organizational skills, autonomy, ability to work independently and as a team;
- Ability to manage several tasks stemming from different projects simultaneously;
- Ability to talk about drones, Kalman filters, and algorithms.

Assets:

- Experience in the design and operation of unmanned or remote-controlled systems;
- Knowledge of and experience with best practices in terms of software quality assurance:
 - DOT standards;
 - RTCA DO-178B/C compliance;
 - MISRA;
- Member of the *Ordre des ingénieurs du Québec* (or eligibility to become a member).

Contact

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