



920-201 Portage Ave.
Winnipeg, MB R3B 3K6

C++ Software Developer at CEMWorks Inc.

CEMWorks is looking for a C++ Software Developer to support the development of cutting-edge electromagnetic (EM) simulation software.

We enable innovators to deliver transformational products to their customers by providing innovative simulation solutions to solve the most complex design challenges for the next generation of IoT, autonomous vehicles, and mmWave/5G/6G technologies.

The C++ Software Developer will work with a team of computational scientists to implement challenging algorithms, fix software errors, design modular, testable, and extendable software architecture.

Have experience working with C++ code? Then, we want to meet you!

Responsibilities

- Use C++ to design and develop and improve new components for the existing software architecture
- Write well-designed, testable computer code
- Prepare software documentation according to the company's standards
- Deploy software, perform and analyze numerical simulations

Required Qualifications

- B.Sc. degree in Computer Science or Computer Engineering or equivalent experience in writing code for scientific computing
- Proficiency in C++ with a good understanding of new C++11/14/17 features
- Knowledge of commonly used design patterns and object-oriented programming
- Knowledge of Linux/Unix systems and exposure to version control systems (GIT)
- Strong mathematical background

Desired Skills and Qualifications

- Experience with computer simulations of physical phenomena using numerical methods
- Experience coding for high-performance computing environments and parallel programming technologies (OpenMP, TBB, MPI, etc.)

Why CEMWorks

At CEMWorks, you will work with some of the sharpest minds and some of the most prestigious, well-known companies in the industry. We pride ourselves in having a responsive and supportive work environment where every team member thrives and is a vital contributor to the company's success. We are committed to maintaining a culture of inclusion, offer a flexible work environment and industry-competitive compensation.



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CEMWorks is an Equal Opportunity Employer. We thank all applicants; however, only those qualified for this role will be contacted.

CEMWorks does not accept unsolicited referrals for vacancies. Any unsolicited referral will become the property of CEMWorks, and upon hire, no fee will be owed to the agency, person, or entity.

Apply by email to jobs@cemworks.com