

## Software Engineer in Test

### Description:

Motion Metrics International is a high-tech private corporation located on the campus of the University of British Columbia that designs, develops, and deploys advanced monitoring solutions for heavy-duty industries. Our products combine custom-designed rugged hardware and “embedded + cloud-based” software to address some of the most challenging problems in the mining industry by using imaging and other sensor technologies.

### Responsibilities:

- Develop and maintain unit tests to validate source code functionality and software performance.
- Write well-documented, reliable, clean, reusable, and flexible test code.
- Maintain existing unit tests to ensure adequate test coverage.
- Work with developers to define test cases.
- Assist QA team with producing scripts for test automation.
- Perform other tasks as necessary.

### Requirements:

- Computer Engineering, Computer Science, or related degree.
- Strong proficiency with C++11/14/17 programming language.
- Strong proficiency with scripting languages like Python and Node.js.
- Understanding of OO design, algorithms, and data structures.
- Understanding of asynchronous programming paradigms.
- Experience with GoogleTest, pytest, or similar unit testing framework.
- Knowledge of code versioning tools such as git.
- Experience with CI/CD systems such as Bamboo or Jenkins.

### Beneficial:

- Familiarity with development and troubleshooting on Linux environments.
- Familiarity with Qt GUI development.
- Experience with AWS or other cloud providers is highly desirable.
- SQL database familiarity (MySQL, SQL Server, etc.) is highly desirable.
- Experience with any of the following: NoSQL databases, Tensorflow, OpenCV, Boost, Bash, CMake.
- A linked project portfolio or github.

**Motion Metrics International Corp offers a generous compensation package and benefits, as well as a fun and driven work environment and culture. Interested candidates please submit your resume with cover letter to [careers@motionmetrics.com](mailto:careers@motionmetrics.com). Due to the high volume of applications we receive, only those selected for an interview will be contacted. Thank you.**