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. We are looking for someone who is passionate about quality, and who strives for constant self-improvement in order to keep up with the rapid pace of technology. The candidate will join our software and quality control teams to create and deploy technical automation.

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. Due to the high volume of applications we receive, only those selected for an interview will be contacted. Thank you.