



## Summer Intern - Continuous integration (CI)

### About Vricon

Vricon serves the entire professional geospatial market, with an initial focus on defense, security, and infrastructure. Vricon's technology enables imagery content to accurately represent all visible objects on the earth in 3D. Vricon combines Saab's unique 3D technology and know-how with DigitalGlobe's unrivaled archive of satellite images which contains billions of square kilometers of the world's highest quality commercial satellite imagery. Vricon's high scale production capabilities create highly accurate photorealistic 3D products and elevation data of the earth.

### The Internship

As a Summer Intern with focus on continuous integration (CI) you'll maintain and improve the Vricon CI tools. Vricon Engine is a platform independent graphics and processing framework which enables visualization of Vricons highly accurate 3D data. Vricon Engine is currently used in several products. These applications have real-time requirements (up to 120 Hz) for processing large amounts of data and visualizing it. As a CI intern, you'll work with one or more of the following tasks:

- Adding support for the LLVM compiler collection (clang) on both Linux, Windows and macOS in order to improve the cross-platform support within Vricon Engine.
- Delivering Vricon Explorer as an AppImage for simple Linux deployment.
- Deploy an improved alert system from the Vricon internal build system in order to inform developers of build problems on each platform.

### Qualifications

You are currently studying a BSc or MSc in electrical electronics, computer science, media technology, applied physics or other computer science related degree. You are used to working in different operating system environments (Windows and POSIX), and you are used to using command line development tools. Knowledge within some of the following technologies and applications is useful: CMake, Clang/LLVM, GCC, MSBuild, Jenkins, Python, C++, C.

#### *Contact*

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