Process Resource Usage Analysis
Summer internship

Are you looking for a summer internship where you can acquire valuable experience by being a part of the journey to create a world unique "Globe in 3D" based on satellite imagery? Would you like to learn and develop your skills while working with cutting edge technology together with highly competent colleagues in a global context?

Maxar Intelligence is currently looking for summer interns to join the R&D center in Linköping.

What you'll do day-to-day (with your colleagues):

Maxar Intelligence uses a lot of CPU heavy processing to generate 3D geodata. For the purpose of optimizing this process Maxar Intelligence wants to evaluate tools for measuring and analyzing different aspects of CPU utilization. This includes memory, I/O, thread and cache usage. The goal is to help Maxar Intelligence developers to find points where a process is not running as fast as possible.

This could be done by e.g. generating graphs showing which resources a particular process is using over time. Such graphs will make is easier to find points where optimization would be most useful.
Many tools exists that could be useful for this, but work is needed to see which are suitable in the particular environment used at Maxar.

Who you are
To be successful at Maxar Intelligence you need to be a team player and enjoy cooperating with others. You are curious as a person and have the ability of critical thinking and a strong interest in solving problems.

Preferred qualifications
- *Master of science student*
- *Comfortable with Linux and the terminal*

Our company
Maxar Intelligence is a provider of secure, precise, geospatial intelligence. We deliver disruptive value to government and commercial customers to help them monitor, understand and navigate our changing planet. Our unique approach combines decades of deep mission understanding and a proven commercial and defense foundation to deploy solutions and deliver insights with unrivaled speed, scale and cost effectiveness.

Maxar Intelligence in Sweden
From our office in Ebbe Park Linköping, Maxar Intelligence serves the global professional geospatial market with world-leading 3D geodata, 3D visualization solutions and 3D image processing solutions. We're building the Globe in 3D combining traditional stereo-pair algorithms with modern state-of-the-art AI/Deep Learning methods: providing decision-makers and analysts with the entire world in highly accurate, immersive 3D models for telecommunications, emergency response and defense and intelligence.

Process Resource Usage Analysis

Our solutions
Our visualization platform offers unique 3D geodata with the world's highest quality based on commercial satellite images. Our 3D analyses and data models offer decision-makers all over the world a very accurate 3D basis for use in areas such as security, defense, and infrastructure.

This role requires work onsite from our Linkoping office for the entire internship.

Apply no later than March 10th. Selection takes place ongoing, the position may be filled before the deadline for applications. Please attach CV, cover letter and grades in your application.

Apply now at
sweden@maxar.com