

Geo and IT - work in the spatial future

CGI is looking for the NEXT Geo-ICT engineers



Experience the commitment®

Geospatial Data are important in many projects of our clients. Within CGI we focus on Geo-ICT as an important driver.

What do we offer

For **interns**, we offer many interesting topics in collaboration with your educational institute, yourself and CGI. This has to be an internship or a thesis at or near the end of your studies. Please reach out to Robert Voûte. His contact details are in the grey side bar.

We work on many innovations like 3D, point clouds, object recognition, 3D data stores, geo analytics and positioning solutions. Since 2016, CGI has had 15 Geo master students doing internships or master thesis projects. More than 10 of these students enjoyed the activities so much that they joined CGI as an employee.

Internship topics at this moment within the Geo-ICT practice (including Earth Observation)

- How to show an indoor 3D model on CGI's 3D map table? What are the constraints to view 3D indoor models in real 3D? How to deal with 3D cartography? How to track moving objects in this visualization?
- 3D analyses of trees around rail tracks, e.g. with satellite data. How is the tree's health, what are the risks of falling over, caterpillar risks? When to cut trees down?
- Indoor positioning with Fujitsu hardware and sensors, finding pros and cons, large scale roll out and use cases in a hospital? What accuracy can we achieve?
- Collecting Indoor network graphs for navigation, changing these into IndoorGML specified files. How to add these files in ArcGIS Indoors, if possible. How robust are they? This is part of a continuing research within CGI Geo.
- Radio propagation in sparse networks (bridging long distances with little equipment) for sending and receiving trusted small data packages between trains and static locations (crossings, stations, switches).
- Positioning with LORA only.

For **regular jobs**, there are many different Geo-ICT job opportunities within CGI, in the market verticals of Transport and Logistics, Government, Utilities or Oil and Gas. CGI works together with several software partners like Esri, Smallworld, Unity3D, Safe Software (FME) and 3D geospatial solutions.

For more information regarding job opportunities, please contact Robert Voûte. His contact details are in the grey side bar. You can also have a look at www.werkenbijcgi.nl and mention your interest there.



GEO-ICT ENGINEER

A JOB OR AN INTERNSHIP

Are you interested in a job or an internship at CGI? Would you like to talk with someone of CGI to discuss an opportunity? Please reach out to us and send me an e-mail or contact me on LinkedIn.

- My name is Robert Voûte
- My e-mail is robert.voute@cgi.com

CGI's Dream is:

“To create an environment in which we enjoy working together and, as owners, contribute to building a company we can be proud of.”