Geo and IT, work in the spatial future

CGI is looking for the NEXT Geo-ICT engineers

Experience the commitment®

Geospatial Data really are becoming important in many of the projects of our clients. Within CGI we have this focus on geo-ict as an important driver.

What do we offer

For **intern** we offer many interesting topics in a collaboration with the educational institute, yourself and CGI. This has to be an internship or a thesis at or near the end of your study. Please reach to the CGI people around you to ask more about this or contact the person in the side bar.

We work on many innovations with 3D, point clouds, object recognition, 3D data stores, geo analytics and positioning solutions. Since 2016 CGI had twelve Geo master students doing internships or master thesis projects and 4 group projects. More than 10 of those joined CGI as employee afterwards.

For **normal 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 a few software partners like Esri, Smallworld, Unity3D, Safe Software (FME) and 3D geospatial solutions.

You can find these jobs by asking the CGI people near to you, or contact the person whose name you'll find in the sidebar. You can also have a look at www.werkenbijcgi.nl and mention your interest there.

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

- How to model an indoor 3D model on CGI's 3D maptable, 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 trees around the rail tracks, what is the health of the tree, risks of falling over, caterpillar risks, when to cut trees down, partly with satellite data.
- Indoor positioning with Fujitsu hardware and sensors, finding pros and cons, large scale roll out, use cases in a hospital, what accuracy can we get. CGI will provide hardware.
- Collecting Indoor network graphs for navigation, changing those into IndoorGML specified files, how robust are those, this is part of a continuing research within CGI Geo.
- PPK GNSS measurements with drones, how to measure the influence of the IMU, with the goal to get high accuracy point clouds without the usage of GCP's. How to get to 1,5 cm accuracy with ACP (Air Control Points).
- Radio propagation in sparse networks (long distances little equipment) for sending and receiving trusted small data packages between trains and static locations (crossings, stations, switches).

GEO-ICT ENGINEER

A JOB OR AN INTERNSHIP

Are you interesting in have one of those two? Do you want to talk with somebody of CGI to discuss an opportunity? Please reach out to us and send 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."

cgi.com