

GIS ENGINEER (Spatial Data Analysis & Spatial Data Mining)

JOB OPENING: 25545

Operations, Africa, Maps

Location: South Africa – Pretoria - Centurion

'Five years from now we'll be active in areas we haven't yet dreamed of'. Harold Goddijn, CEO TomTom.

TomTom empowers movement. Every day millions of people around the world depend on TomTom to make smarter decisions. Would you like contribute in designing and developing innovative products that make it easy for people to keep moving towards their goals?

Where do you want to be?

Are you someone who can critically look at spatial data? Do you have an inherent need to push the boundaries of how things are done?

We are looking for the best and brightest minds in the Geospatial field in South Africa to join our Research and Development team within our Map Data Operations Unit. The experience and future opportunities will include

Analysing huge databases and spatial data using GIS/DB software covering countries across Africa from South Africa to Egypt and also the Oceanic Africa Islands

Controlling data quality by means of advanced database queries, automated scripts, GIS tools etc.

Developing new tools, scripts and procedures for process automation and quality control

Validating and testing new processes and software

Checking correctness and completeness of our products

Performing data or process analysis and providing the results within defined scope and timeframe

Suggesting process and data quality improvements as well as suggesting strategies for solving problems

Assessing, analysing and following up on feedback provided by end users, business owners, colleagues and B2B customers

Collaborating with engineers, product managers, GIS specialists, data production unit and other analysts in order to provide results for requested tasks

Project preparation (is source material appropriate for project, evaluate state of map, analyse efficiencies)

Reduce time to kick-off projects (prepackage the project, ready for production teams)

Improved structure / definition of projects (streamline)

Pre- and Post-sales support for Maps topics (customer requests, complaints, competitor analysis, county analysis, etc.)

Perform comparisons between real world and digitals maps.

What do we expect from you?

To be successful in as a member of this team, this is the kind of profile we have in mind:

Have a College Certificate or University Degree at a recognized institution and/or minimum 5 years' experience.

Plato registration can be an advantage

A Great advantage would be professional knowledge & experience of commercial GIS software (preferably ESRI ArcGIS) and database environments of at least 3-5 years.

Knowledge SQL and the ability to write queries

Qualifications/experience of programming languages and/or scripting languages (e.g. Python) will be an advantage

Experience in GIS projects, data mining and/or automating procedures

Ability to read and understand technical documentation written in English

Excellent communication skills (English) and the ability to work with engineers, product managers and other team members. Be able to present to an audience the results of analysis, processes and newly created source material special data.

Excellent analytical skills and cross-functional thinking

You are quick learner not afraid of taking up new challenges, working under pressure and dealing with changing work environment

Good experience in expert GIS analysis and database queries.

Very good report writing skills

Good knowledge of statistical reports and analysis.

Have a good knowledge of GPS navigation

Have a very good knowledge of the geographical location of places on African Continent.

What do we offer?

An adventure in the cutting-edge field of digital mapping;

The chance to work in a fast moving, innovative and international environment, dealing with all kind of different countries and cultures.