



Job opening 2016 – Optimisation Algorithm Developer

Comsof is a spin-off of Ghent University and develops unique software called FiberPlanIT for the design and optimisation of FTTx (Fiber-To-The-x) networks. FiberPlanIT uses GIS data (also used in eg. Google Maps) to get an accurate view of the physical reality of the access network, and allows to perform high level simulations regarding the topology and technology and to create detailed designs.

Comsof has recently started a research project called CrossPlanIT for the extension of FiberPlanIT to other utility networks like electricity networks, smart grids and heat networks.

In order to further expand the activities of Comsof concerning FiberPlanIT and CrossPlanIT, we are looking for a Java developer with strong algorithmic skills.

Keywords: algorithms, heuristics, optimisation, research, graph theory, java, telecom, utility networks

Your responsibilities

You will join our R&D team where you will be involved in the development of CrossPlanIT and the further development of FiberPlanIT.

Your main focus will be on algorithms for the optimised design of telecom and other utility networks. These algorithms are based on GIS data and are often in the domain of graph theory (routing algorithms, spanning trees, graph clustering...) Since scalability is very important, you will make sure that the algorithms are efficient in both runtime and memory usage, while always keeping an eye on the quality of the code and the object-oriented design of the software as well. If wanted, your role can evolve towards more consultancy work.

Profile

- You hold a master or PhD in engineering, computer science, mathematics or similar with a good track record.
- You have excellent programming skills in Java (SE – 1.7)
- You have a strong focus on object-oriented reasoning.
- You are genuinely interested in algorithms and data structures and graph theory.
- You have proven experience with efficient optimisation algorithms (eg. in university assignments, previous jobs or hobby projects)
- You understand the importance of complexity analysis and are constantly looking for ways to improve the efficiency of your algorithms.
- You have some background in GIS and/or telecom and/or other utility networks (electricity, smart grids, heating networks) or are willing to make your way into the subject matter enthusiastically.
- You are flexible, creative and are able to work both independently and in a team.
- You speak and write fluent English (and ideally also Dutch, but this is not mandatory).

Our offer

- The chance to work in a professional and challenging environment with a highly skilled team
- Interesting job content with a focus on research and innovation
- An open working atmosphere (with optional board game evenings!)
- Flexible office hours with the possibility to occasionally work from home
- An interesting job location, easily accessible alongside the ring of Ghent
- A generous salary package with extra-legal benefits

Interested?

Send your CV by e-mail to jobs@comsof.com and we will contact you shortly.

Spontaneous applications

If you are interested in other functions at Comsof, don't hesitate to send us your spontaneous application at any time.

More information

Visit <http://www.comsof.com> and <http://www.fiberplanit.com>

Location

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