



Heidelberg Institute for Geoinformation Technology · Berliner Str. 45 · 69120 Heidelberg

Open Position

Geoinformatics
Heidelberg University
Prof. Dr. Alexander Zipf
zipf@uni-heidelberg.de
<http://uni-heidelberg.de/gis>
<http://heigit.org>

OSM Routing Services & Algorithms

Heidelberg Institute for Geoinformation Technology (HeiGIT)

You genuinely enjoy developing open source Geoinformation Services used by thousands on a daily basis? You are a highly motivated Java backend developer and algorithm designer? And you love using and enhancing OpenStreetMap for high-performance GI services for global coverage? Then we actually might have a suitable and interesting job for you.

In order to promote technology transfer and applied research in the area of Geoinformatics, the Heidelberg Institute for Geoinformation Technology (HeiGIT <http://www.heigit.org>) is currently being established with the support of the Klaus-Tschira Foundation. In the future, this endeavor is to be continued in the future as an independent institute. To this end, we are looking for a motivated Software Engineer in the field of OSM Routing Services (Java Backend). Depending on your experience the tasks are related to at least one of the following areas:

Route Planning, Smart Mobility and Navigation Intelligence

- Development and design of innovative routing services, algorithms and extensions for the well-known open source project <http://go.openrouteservice.org> (Java).
- Extension of the global services infrastructure of various location-based services (LBS) using OSM.
- Development of highly performant algorithms, methods and GI web services, especially for the analysis and data enrichment of heterogeneous global geodata sets e.g. from the Social Web, OpenStreetMap, etc., especially in the domain of routing, traffic and navigation etc.

We offer an attractive position in an interdisciplinary team in a highly dynamic and growing market. HeiGIT is and will be related closely to the Department of Geoinformatics, which is member of the Interdisciplinary Center for Scientific Computing (IWR) and the Heidelberg Center for the Environment (HCE). We offer a stimulating interdisciplinary research environment with many personal development opportunities.

We expect a highly-motivated backend developer with solid experience in Java or C++ and an above-average university degree in one of the subjects such as Geoinformatics, Computer Science, Geography or similar.

The position is to be filled as soon as possible and for administrative reasons initially limited to two years - with the option of sustainable extension. Please send application documents (CV, certificates, references, etc.) **as soon as possible** to zipf@uni-heidelberg.de.