INTERSHIPS in the field of GEOINFORMATICS (Heidelberg)

The GIScience Research Group and the Heidelberg Institute for Geoinformation Technology (HeiGIT) at Heidelberg University offer internships (min. 6 months) to support the following highly topical research areas in an interdisciplinary dynamic team, e.g. for:...

- **Big Spatial Data Analytics** z.B. OpenStreetMap History Analytics, Social Media Analytics etc.
- **Land Use classification** based on OpenStreetMap, satellite images, etc. [http://OSMlanduse.org](http://OSMlanduse.org)
- **Disaster Mapping** for Humanitarian Aid (Geoinformatics for Disaster Management)
- **Intelligent location-based services** and navigation, personalized route planning [http://OpenRouteService.org](http://OpenRouteService.org)

The following prerequisites are necessary for this:
- Fun with the development of software systems used in practice (Open Source)
- Good knowledge of one of the following programming languages:
  - JAVA, C++, Python, R, JavaScript
- Independence, flexibility and team spirit

Possible topics and tasks:

- Machine Learning / Data Mining
- Geodata Processing/Geocomputation
- Web development (client or server)
- geo databases
- Routing/Navigation (ORS)
- Spatial statistics

In these areas there are also opportunities to carry out qualification work (Master thesis).

Further information: [http://uni-heidelberg.de/gis](http://uni-heidelberg.de/gis) and [http://heigit.org](http://heigit.org)

- [http://www.geog.uni-heidelberg.de/gis/forschung.html](http://www.geog.uni-heidelberg.de/gis/forschung.html)
- [http://www.geog.uni-heidelberg.de/gis/online.html](http://www.geog.uni-heidelberg.de/gis/online.html)

Have we aroused your interest and you have time for 6 months? For more information, please email us with your interests and a brief overview of IT/methods skills:

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