Chair of Geoinformatics
Prof. Dr. Alexander Zipf
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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
- **Disaster Mapping** for Humanitarian Aid (Geoinformatics for Disaster Management)
- Intelligent **location-based services** and navigation, personalized **route planning** 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 and http://heigit.org

- http://www.geog.uni-heidelberg.de/gis/forschung.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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