Internship Position – GIS Developer
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Contact: steve.malers@openwaterfoundation.org
http://www.openwaterfoundation.org

Description

The Open Water Foundation (OWF) is a nonprofit social enterprise focusing on open source software tools for water resources. OWF is looking for a paid student hourly intern to contribute to GIS software projects involving water resources, including:

- Evaluate GIS software technologies for data analysis and visualization
- Write and test GIS software focusing on Python ArcGIS and QGIS APIs, and GDAL/OGR
- Prototype software for water resources applications
- Automate processing of raster and vector data processing
- Contribute to water resources projects involving complex issues such as drought, climate change, water supply, water efficiency analysis, basin modeling and data visualization

Work Environment

OWF is located in the Innosphere building near Old Town Fort Collins. Interns have the following opportunities:

- Work with staff as a team to perform project/program tasks related to water resources – the ability to work with and communicate with a team is very important
- Use existing and contribute to the development of new software tools for water resources, application of technologies, interaction with software users
- Interact with Innosphere staff and client companies
- Interact with the broader water resources community

Requirements

Applicants should have excellent analytical skills, an interest in challenging projects, and be able to provide supporting references. University faculty recommendations are highly desirable. Diversity of interests and demonstrated interest in making a positive social impact are desirable. Software development skills in one or more of the following technology areas is desirable: ArcGIS, QGIS, GDAL/OGR, Python, HTML/CSS/JavaScript, web mapping, R, Google Earth and Google Earth Engine, SQL databases, web services, Linux virtual machines and Cygwin, scripting, cloud computing. Experience with spatial data for snow, agricultural, land use planning, and water resources is desirable.

Majors

Computer Science, Systems Engineering, Natural Resources, Statistics, Mathematics, Water Resources Engineering, Business, Environmental Studies or other major with a relevant focus.