

ArcGIS Server Programmer needed for the second phase of a mission in New Orleans

GISCorps is recruiting a second volunteer for a project commissioned by Neighborhood Housing Services of New Orleans (NHS - <http://www.nhsnola.org/>) via the University of New Orleans - Department of Planning & Urban Studies (UNO-PLUS - <http://planning.uno.edu/>). NHS is a non-profit organization in New Orleans, LA.

To learn more about the first phase of the project, NHS/UNO-PLUS and their role in this project and, the history of the project in general, please visit our website at: http://www.giscorps.org/index.php?option=com_content&task=view&id=91&Itemid=63.

The volunteer recruited for the first phase of this mission, Rafael Ferraro, has developed an online application that utilizes several GIS technologies including: Spatialite, Mapnik, and ArcGIS Server for the organization. He is now ready to hand it over to another programmer to perform several additional tasks. He will be working with the new volunteer to ensure that all the previous knowledge is transferred to the new volunteer and that the transition occurs as smoothly as possible. The additional tasks include:

1. Create ETL (Extract, Transform, Load) tools/workflow/processes that will allow agencies to load their survey data into standardized WhoData database
2. Design and implement a role-based access control. This would consist of creating roles for various job functions. The permissions to perform certain operations would then be assigned to specific roles. Finally, users would be assigned particular roles, and through these role assignments acquire the permissions to perform particular system functions. Some requested functions thus far are.
3. Expand query and reporting functionality and create custom queries that allow the user to query from multiple databases and attributes.
4. Provide a user reporting tool for site administration (URL of who visited, number of hits).
5. Assist with development and upload of 'FAQ' and help screen roll-overs.
6. It is expected that at the end of the project, the volunteer would develop a technical document that describes technologies used for this website (various software programs), coding languages, and in general, details about the back end of the application.

The desired volunteer must have a high level of expertise in:

- ArcGIS Server (Flex API)
- Programmer in ArcGIS Server (version 9.3)
- Python programming language
- Special expertise in setting up "secure" AGS services/applications
- Develop tools for measuring web traffic
- Familiarity with Spatialite and Mapnik is highly desirable

Duration: +/- 9 months (based on +/- 10 hours per week) or earlier depending on the volunteer's availability. The work could start immediately.

Type of mission: this mission does NOT require traveling and is conducted remotely. The volunteer will be using their own hardware connecting to the university's server to develop the application via VPN connection. The volunteer will be working closely with Rafael Ferraro (at the beginning) and the UNO-PLUS and NHS representatives throughout the project via emails, phone, VoIP, and FTP site (if necessary).

If you are interested and available, please send an email to shoreh.elhami@gmail.com by Tuesday February 15th, 2011. Along with the email, please send us your updated resume since the resume on our web site may not include your latest information. We are very excited about this project and are looking forward to hearing back from you.

Warm Regards,

Shoreh Elhami, GISCorps Co-founder

On behalf of GISCorps Core Committee
www.giscorps.org