

GIS Intern

Division/Unit: Geographic Information Systems	OEM Supervisor: Hassan Adekoya
Project-based or Ongoing Ongoing	Education Level: Undergraduate / Graduate
Date Available November 1, 2008	Expiration date: End of spring 2009 semester
How many interns: 1	Length of Commitment End of spring 2009 semester
Background on Project: <p>OEM's GIS division plays an important role in all stages of an emergency. The unit has the ability to produce maps at the headquarters or deploy to the scene of an incident on the Mobile Data Center (MDC). The unit also provides maps and data to support decision-making in day-to-day activities.</p> <p>The OEM GIS Portal is a mapping portal developed by the GIS unit to allow OEM's preparedness planners, watch commanders, and citywide interagency coordinators (CIC) to access and query virtually all of the agency's GIS data sets from their own desk or vehicle. The portal is divided into multiple viewing modes in order to eliminate the information clutter that would exist if the dataset were centralized in one map viewer.</p>	
Description of Project/ Intern Responsibilities: <p>The GIS intern will be required to work 15-20 hours per week. The schedule is flexible. The GIS intern will assist with a range of projects and tasks including:</p> <p>General</p> <ul style="list-style-type: none"> • Investigate providing GIS functionality on mobile devices • Assist in serving up aerial imagery via ArcGIS Image Server. <p>OEM GIS Portal:</p> <ul style="list-style-type: none"> • Assist in implementing functionalities as determined by the project manager • Assist in code documentation and refining the overall system documentation • Develop a user interface style guide that conforms to OEM intranet style • Investigate JavaScript API for ArcGIS Server and propose methodology for implementation within OEM GIS Portal 	
Requirements/special skills needed: <ul style="list-style-type: none"> • Currently registered undergraduate or graduate student • Majoring in Computer Science, Information Science, Geography or related fields • Taken at least 2 semesters of programming course. • Proficient in application programming languages such as C# or Java and databases such as MS. Sql Server. • Knowledge of Geographic Information Systems preferred but not required. • Demonstrated knowledge of web application development in ASP.Net. • Willingness to learn new technologies as project implementation requires. 	

Applicants should submit résumés and cover letters by e-mail to jobs@oem.nyc.gov or by mail to the Director of Personnel, New York City Office of Emergency Management, 165 Cadman Plaza East, Brooklyn, NY 11201.