SACRAMENTO AREA SEWER DISTRICT
SANITATION DISTRICTS AGENCY
Employment Opportunity - 09/01/10
District GIS - Student Intern

The Sacramento Area Sewer District (SASD) is offering a student intern position in its Technical Support GIS group (District GIS).

Position: GIS Student Intern

Location: SACRAMENTO AREA SEWER DISTRICT
10060 Goethe Road
Sacramento, CA 95827

Salary: Variable, contingent on semester hours completed (starting approx $11.10 - $13.49 Hourly)

Hours: 24 hours per week during school term and full time during school breaks

Description:

SASD’s Geographic Information System contains spatial and attribute data for its service area infrastructure (assets such as manholes, mainlines, and laterals). District GIS maintains this data in an enterprise geodatabase and distributes it via electronic maps, exported datasets, and GIS-enabled applications.

District GIS has three main areas of service. According to experience and qualification, the GIS student intern will provide backup support for one or more of these areas.

✓ Mapping and Data Analysis
  ● Create electronic and printed maps for exhibits and reports
  ● Perform spatial and tabular queries for data analysis
  ● Prepare dataset exports for customer requests

✓ Data Maintenance
  ● Transfer raw electronic data from AutoCAD to ArcGIS
  ● Update and maintain enterprise and personal geodatabase datasets
  ● Format and export specialized datasets for GIS-enabled software applications

✓ Application Support
  ● Provide user support for GIS-enabled software
  ● Develop, maintain, and document application-based programming for ESRI products
  ● Test and implement programming enhancements

Desired Qualifications:

✓ Knowledge of ArcGIS 9.x/10 (ArcMap/ArcEditor) sufficient to accomplish:
  ● Spatial and tabular queries and analysis (spatial overlays, proximity searches, joins, relates, and research)
  ● Map creation and maintenance (using basic principles of cartography: color, annotation, and map layout)
  ● New dataset creation (particularly from queried and analyzed data)
  ● Data import and export (including integration with AutoCAD, Excel, and Access)
  ● Geodatabase and shape file creation and maintenance (including familiarity with SDE integration)
  ● ArcPad integration
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✓ Knowledge of Autodesk Map sufficient to accomplish:
  ● Conversion from object linework to feature shape files

✓ Knowledge of application programming principles sufficient to accomplish:
  ● Documentation of existing application scripts (ArcGIS and ArcPad)
  ● Test, develop, and implement programming enhancements (Python and VBScript)

✓ Good work ethic:
  ● Customer service oriented
  ● Motivated, focused, organized, professional, with a willingness to learn

SASD General Standards:

Current full-time enrollment in an accredited educational institution leading to a program certificate, Associate’s, Bachelor’s, or advanced degree, with 12 units or more verified by school. Abilities to:

● Assist in performing research for special projects, studies, and investigations
● Assist in the collection, compilation, tabulation, and analysis of information and data
● Read and write English at a level necessary for satisfactory job performance
● Communicate clearly and concisely both orally and in writing
● Establish and maintain effective, cooperative working relationships
● Follow policies, procedures, and instructions
● Use computer hardware, software applications, and related peripheral equipment
● Apply course work in the specific career field to assigned duties
● Perform related duties as assigned

SASD General Notes:

● The definition of full-time enrollment is that which is stated in the school, college, or university’s official catalogue, with 12 units or more verified.
● All positions are temporary and no permanent appointments are made to this class. Participation in this program in a student status shall not exceed three (3) calendar years from initial date of appointment.
● Students shall work no more than 24 hours per week during the school term, but may work full time during school breaks or under specific school sponsored training programs.
● Positions in this class are temporary.
● Students who graduate and receive a degree or certificate may remain in the class for up to one year from the date of graduation during which they may work full time.

To Apply: Send or email resume and proof of enrollment to,

SACRAMENTO AREA SEWER DISTRICT
10060 Goethe Road
Sacramento, CA 95827
Attn: Eric Smallwood
smallwoode@sacsewer.com
916.876.6072