≋ STONE ENVIRONMENTAL INC

Position Description

ENVIRONMENTAL MODELER

Position Summary

Stone Environmental is seeking a talented individual with a background in agricultural/biological engineering, civil engineering, water resources, or environmental science with solid skills in environmental modeling, computer programming, and spatial and probabilistic analysis. This person will work within a team of diverse, highly motivated environmental scientists and engineers.

Responsibilities

General responsibilities will include:

- Conducting diverse projects, integrating modeling and spatial analysis in environmental and agricultural sciences
- Application of hydrologic and water quality models at field, farm, and watershed scales
- Environmental database compilation and analysis
- Computer programming to enable efficient processing of environmental datasets and model customization
- Ensuring high quality scientific analysis and project deliverables

Required Skills

The following skills are required to be considered for this position:

- Direct experience in application and development of agronomic and hydrologic models (e.g. SWAT, PRZM, EXAMS, APEX, EPIC, ALMANAC, DSSAT, SWMM , VFSMOD HEC-HMS, HEC-RAS)
- Spatial analysis using ArcGIS
- Scientific computer programming in FORTRAN, VB.NET, C#, C, C++, or Python
- Excellent written and verbal communication skills
- Creative thinking and problem solving
- Ability to work as part of a team
- Self-motivation and keen attention to detail

Desired Skills

The following skills are **beneficial**, but are not required for this position:

- Knowledge or experience in agrochemical fate and transport modeling
- Fluency in relational databases, including Microsoft SQL Server and Microsoft Access
- Experience performing spatial analysis with national-level environmental datasets including: NLCD, STATSGO, SSURGO, and NHDplus
- GIS programming using ArcObjects or Python
- Knowledge of agronomic practices in the United States and Canada
- Ecological modeling knowledge or experience
- Statistical/Probablistic analysis

Education and Experience

- Master's degree or higher in agricultural/biological engineering, civil engineering, ecology, water resources, or related environmental field
- One year of post-graduate experience in environmental modeling is desired

How to Apply

Please send your cover letter and résumé by post or e-mail to:

Ms. Joanne Perry
Stone Environmental, Inc.
535 Stone Cutters Way
Montpelier, VT 05602 USA
Fax / 802.229.5417
E-Mail / hr@stone-env.com

Website: www.stone-env.com

Stone Environmental, Inc. *is a 45-person environmental science and geographic information systems (GIS) consulting firm founded in 1992. Stone offers a wide variety of services to local, national, and international clients. Our team of multidisciplinary professionals is organized into five distinct groups that share a common theme: water quality. These groups are Agrochemical Fate & Exposure, Site Investigation Field Services, Water Resources & Wastewater Management, Information for Sustainable Development, and Applied Information Management. Stone is based in Montpelier, Vermont, a New England state admired for its quality of life and strong environmental values. This desirable location has enabled us to recruit some of the best scientists and professionals in the industry. Stone offers competitive wages and benefits, and a relaxed work environment with a great group of talented people.*