



ESSA Technologies is looking for a modeller and software programmer to participate in the development of our environmental software and simulation models. We need someone with proven experience designing, coding, running and integrating ecological models. To succeed in this role, candidates must interact with clients, understand their needs, and then apply a range of programming tools to develop working software solutions that exceeds the client's expectations.

The successful candidate will be a programmer, modeller, database developer, data manager, tester and technical writer. It's an exciting role with diverse challenges working on highly innovative projects to support management of terrestrial and freshwater environments. You can read more about our tools at <http://www.essa.com/tools>.

Mandatory Requirements

We are looking for candidates with a passion in using models and software tools to improve resource and environmental management:

- Minimum of a Bachelor's degree with at least 3 years of relevant experience.
- Experience working with GIS applications, preferably using ESRI products. This includes developing geoprocessing algorithms using ArcObjects and web mapping portals using ArcGIS Server.
- An academic background in one of ecology, forestry, biology, hydrology, fluvial geomorphology or closely related discipline, is an asset.
- Formal training software development, in simulation modelling and GIS analysis.

Additional Requirements and Assets

- Web application development, preferably with ASP.NET, including user controls, data controls and AJAX. Experience with Flash, Silverlight is an asset. Conversant with Visual Studio .NET development and tools, esp. VB.NET.
- Relational database development using SQL Server and Microsoft Access (including T-SQL and ADO.NET).
- Understanding of agile software development principles, object-oriented programming concepts and the software development cycle (working with source control and bug tracking tools etc).

- Experience with open source GIS.
- Must be comfortable working with conceptual user requirements rather than comprehensive specification documents.
- An independent and resourceful collaborator possessing good judgment around client needs. This is someone capable of identifying the appropriate solution and level of quality.
- Excellent verbal and written communication skills.
- Someone who cultivates productive working relationships with teammates.
- Eligible to work legally in Canada.

Compensation

Salary is negotiable based on experience and qualifications. ESSA offers full time employees a competitive performance based profit sharing system, an extended health benefits package, 3 weeks paid annual vacation and opportunities to work from home.

Organization

ESSA Technologies Ltd. was established in 1979 and has a successful track record as a research and consulting firm with an established client base in Canada and the United States. ESSA's mission is to bring together people, science and analytical tools to sustain healthy ecosystems and human communities. We accomplish this mission by working collaboratively in a manner that is professionally fulfilling and healthy. At ESSA, we are passionate about what we do and enjoy working with professionals who share our values and mission. Interested applicants may wish to view examples of our work at: www.essa.com/projects/index.html.

Please email a cover letter and copy of your résumé to careers@essa.com with "Modeller and Programmer" in the subject line. Only short-listed applicants will be contacted for an interview.

In accordance with Canadian law, preference will be given to Canadian citizens or Landed Immigrants.

No phone inquiries please.