

POSITION AVAILABLE	Lead Software Engineer
LOCATION	Calgary, Alberta
POSTING REF & DATE	LSE02 - July 18, 2014
CLOSING DATE	October 18, 2014
JOB TYPE	Permanent, Full Time
EXPERIENCE LEVEL	Mid-Level
QUALIFICATIONS	Post-Secondary – Bachelor of Computer Science, Software Engineering or Geomatics; or equivalent work experience



Tactalis requires a Lead Software Engineer to oversee software architecture development and coding projects needed to successfully commercialize our accessible tactile computer interface platform.

ABOUT TACTALIS:

Tactalis develops interactive tactile touchscreen computer interface technologies that enable blind or visually impaired users to explore, create and share digital images, interactive media and spatially portrayed data.

Our core product, the Tactalis Origin Tactile Interface, provides users with the ability to touch and feel a physical representation of images and graphics presented on a standard LCD screen. This system can be used to facilitate access to graphical information in various contexts, such as Education (eg: maps, charts, diagrams & graphics in STEM subjects), Public Wayfinding Signage (eg: walkup kiosks/directories in offices, shopping malls, event venues and transit stations), and personal use (eg: Employment accommodation or independent travel).

PRIMARY RESPONSIBILITIES:

The Lead Software Engineer will assemble and coordinate a development team responsible for the creation, testing and deployment of our core software IP assets, including:

- A touch centric digital user interface for Tactalis Origin platform
- Proprietary XML file standards for tactile data
- Digital tactile content authoring tools
- Automated content creation algorithms

This position reflects the duties described in the Alberta Occupation Database for Software Engineers & Designers (NOC Code 2173) and/or Computer Programmers & Interactive Media Developers (NOC Code 2174). An ideal candidate for this position will have at least a Bachelor's degree in Computer Science or equivalent, as well as expertise and experience across the following areas:

- C#/WPF/C++
- Android / iOS Development
- Touch UI Development
- SDK/API/IDE Development
- Geographic information systems, geodatabase management, & spatial data file standards,
- Digital accessibility standards (WCAG, ARIA, Section 508)
- Device Drivers and interfacing with Embedded Systems
- Code Documentation and Debugging

Direct or indirect experience with vision loss is considered an asset. Candidates with impaired vision are encouraged to apply.

Tactalis offers competitive compensation and promotes a casual and creative office culture. Some travel may be required for this position (2-3 weeks / year). Interested candidates are encouraged to submit a resume and cover letter to info@tactalis.com. Only qualifying candidates will be contacted.