

JOB POSTING: AETIC-SRA_01

JOB TITLE: Senior Research Associate, Software Developer for the Agriculture & Environmental Technologies Innovation Centre
DEPARTMENT: Research & Innovation Division
SALARY: To be evaluated based on experience and education

The role of Research & Innovation is to provide real-world solutions for business, industry and the community through applied research and knowledge transfer activities. In partnership with business or community partners, Research & Innovation conducts applied research projects that model or simulate solutions, develop and test prototypes, adopt new technologies and knowledge, develop and evaluate new or improved products, processes, or solutions to community issues.

This position is 35 hours per week until March 31, 2020. Please note that extension of the position past March 31, 2020 is dependent on funding

MAIN FUNCTIONS:

The successful candidate will work on a variety of applied research projects to develop tools and resource materials for farms, crop representative organizations and technology companies, in support of the Ontario Centres of Excellence College Applied Research Development Fund. He or she will work on precision agriculture applied research projects from data analyses, mapping; database planning and development and mapped data layering. The Senior Research Associate will have a comprehensive skill set to work in collaboration with the Natural Sciences and Engineering Research Council of Canada (NSERC) Industrial Research Chair for Colleges (IRCC) in Precision Agriculture & Environmental Technologies, the Research Project Manager, Research Associates, Research Assistants and Industry Partners on a variety of agriculture projects. He or she will have the ability to lead and mentor students to achieve project goals.

Duties and responsibilities include, but are not limited to:

- Attends and coordinates meetings with existing and prospective Industry Partners
- Designs and develops work plans and coordinates timelines for project completion
- Oversees and helps carry out research activities as outlined in project work plans
- Plan for software, team member, and technical needs for applied research projects
- Troubleshoot project and programming issues and project delays
- Mentors and provides guidance to Research Assistants and Associates; delegates tasks
- Identifies equipment and technical needs for applied research projects; assists with sourcing
- Communicates project progress to ensure successful project completion
- Monitor and troubleshoot onsite and offsite computer and sensor hardware and communications
- Assists in the development of project documentation (Milestone Reports, Final Reports)
- Assists and participates in Agriculture & Environmental Technologies Innovation Centre events, trade shows, tours, etc.

EMPLOYMENT REQUIREMENTS:

- 2-year College Diploma in Computer Programming or related specialization
- 1-2 years of relevant experiences in computer programming
- Experience with the following programming languages: C#, C/C++, PHP, SQL
- Experience with code abstraction and object oriented programming
- Experience with the following libraries/systems: .NET/.NET Core, ASP .NET/ASP.NET Core, Docker, Signal R and the Angular Framework
- Experience with Windows, iOS at the system level (programming daemons/services)
- Experience with real-time databases and fast networking protocols
- Previous work in software testing, troubleshooting, fixes, and proficiency with the GitHub/GitLab repository system
- Customer service and managing client expectations
- Some exposure to farming (precision agriculture) and programming for mapped data are beneficial
- Ability to be the computer programming technical lead for projects defining clear outcomes and work plans
- Reliable communication, management, networking, human relations and client relationship skills
- Excellent skills in work organization, information handling, and time management including the ability to work to strict deadlines and timelines
- Demonstrated track record of staying current with active and new programming languages

WORKING CONDITIONS:

- 35 hours per week Monday to Friday between 8:30am – 4:30 pm
- Occasional weekend and evening hours may be required
- Please note that the duration of the position is dependent on funding
- Continuous computer use: programming – including keyboard, mouse and screen time
- Reading text and documents
- Please note that extension of the position past March 31, 2020 is dependent on funding

To apply, please email your resume and cover letter to researchjobs@niagaracollege.ca by Friday, August 23rd, 2019 at 4:00pm. Please reference SRA AETIC in the subject line.

Click on the link below to apply:

<https://trr.tbe.taleo.net/trr01/ats/careers/requisition.jsp?org=NIAGARACOLLEGE&cws=1&rid=1111>

While we appreciate all applications received, only those candidates selected for an interview will be contacted.