

JOB TITLE:	Computer Programmer Research Assistant
STATUS:	up to 15 hours per week
DEPARTMENT:	Research & Innovation – Agriculture & Environmental Technologies Innovation Centre
Campus:	Welland
PAY:	\$14.21 per hour
CONTRACT TERM:	October – December 2019

The role of Niagara College Research & Innovation is to provide real-world solutions for business, industry and the community through applied research and knowledge transfer activities. Niagara College Research & Innovation, in partnership with business or community partners, 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.

Job Description

The successful candidate will work with the Agriculture & Environmental Technologies Innovation Centre team. The work includes programming, testing and troubleshooting of agricultural data management and mapping web software. The position could involve development of web/cloud/IoT services, and helping to develop robotics technology. You will work with senior team members in Computer Programming and Geographic Information Systems (GIS), and the Industrial Research Chair for Colleges in Precision Agriculture & Environmental Technologies.

Education

Current student at Niagara College enrolled in the Computer Programmer, Computer Programmer Analyst (co-op) or related program.

Competency Areas

- Knowledge and experience programming with C#, .NET/.NET Core, ASP .NET/ASP.NET Core, SQL, Python, C, Docker, and/or the Angular Framework are all beneficial
- Rigorous software testing, troubleshooting, and fixes
- Programming of data analysis and adjustments to data analysis methodologies

Duties & Responsibilities

- Work on a collaborative team to accomplish various programming tasks, including:
 - Adding new services and features to the in-house designed and maintained Crop Portal (mapping and data editing software)
 - Bug fixes, troubleshooting and modifications.
 - Feature development and modification for in-house and company partner software.
 - Implement robotic-based platforms (i.e. Arduino and Pi).
 - Contribute to the group's code base with GitLab
- Connect web software systems via API (Application Programming Interface)
- Determine the best methods to accomplish programming goals and needs
- Divide responsibilities and support other team members with their work as needed
- Discuss and recommend improvement areas for current tools
- Be self-directed and take initiative to start, test, and complete programming and testing tasks

Email your resume, cover letter, transcript and class schedule to researchjobs@niagaracollege.ca by 4:00 pm on **Friday, September 27, 2019**. Reference posting 'AETIC COMPUTER PROGRAMMER RESEARCH ASSISTANT'

We appreciate all applications received. However only those candidates selected for an interview will be contacted.