

JOB POSTING – COMPUTER PROGRAMMER RESEARCH ASSOCIATE

JOB POSTING: WAMIC19_02

JOB TITLE: Computer Programmer Research Associate
START DATE: August 12th, 2019 – August 7th, 2020 (ONE-YEAR, NON-RECURRING CONTRACT)
DEPARTMENT: Research and Innovation Division – Walker Advanced Manufacturing Innovation Center
Campus: Welland
SALARY: \$20/hour

Located at the Welland Campus of Niagara College, the Walker Advanced Manufacturing Innovation Centre (WAMIC) provides small regional manufacturers access to needed facilities, equipment, technical expertise and serves to assist them in product development, technology adoption, expansion into new markets and commercialization.

Job Description

The successful candidate will work with the Walker Advanced Manufacturing Innovation Centre team. The work includes programming, testing and troubleshooting of interface software for product development of advanced manufacturing research projects. The position could involve development of web/cloud/IoT services, and helping to develop cloud technology. You will work with senior team members in Advanced Manufacturing developing new products, which require support in programming of Industry 4.0 applications.

Education

Recent graduate of Niagara College Computer Programmer, Computer Programmer – Analyst, or a similar program is ideal or other Niagara College program with the relevant skills below. Relevant experience and/or expertise and enrolled as a Niagara College student, will also be considered.

Competency Areas

- Knowledge of Javascript/HTML/CSS, cross-platform mobile development with JavaScript (Ionic v3, Cordova), and Android Studio environment
- Understanding of Microcontroller programming (Arduino, Raspberry Pi)
- Interfacing mechatronic-based platforms (Arduino/Pi General Purpose IO)
- Experience programming with C#, .NET/.NET Core, ASP .NET/ASP.NET Core, SQL, C, Python, Docker, and/or the Angular Framework (v4+) 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:

- 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).
- 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 and transcript to researchjobs@niagaracollege.ca by **Monday, July 29th, 2019 at 12pm**. Please reference posting COMPUTER PROGRAMMER RESEARCH ASSOCIATE (WAMIC).

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