**OMIC INTERNSHIP JOB DESCRIPTION**

**JOB TITLE: Programmer assistant for virtual and augmented (VR & AR) reality training**

**JOB SUMMARY**: The OMIC/OMEP Factory of Tomorrow (FoT) research lab will have a small number of internships for the Summer of 2020 focusing on building manufacturing industry training materials using virtual and augmented reality (VR/AR) tools. We are creating these example trainings to help manufacturing businesses find out if these tools are useful to them in their day to day operations. This summer intern will work with a mentor to learn the basics of how to assist in developing the training programs that runs on these VR/AR devices. Interns will get to the training needed to assist in developing these programs. An estimated 20 hours per week for 8 weeks is required for this position.

**QUALIFICATIONS OF POSITIONS:**

* Must be 16 to 18 years of age
* Ability to work professionally with others and to communicate effectively (both orally and in writing) with elementary students and staff
* Ability to understand and follow oral and written instructions
* Ability to take instruction from your assigned mentor(s)
* Must be capable of self-motivation to work on and finish assigned projects
* Must be willing to abide by the business policies of OMIC
* Possess knowledge of English usage, mathematics, and basic understanding of the subjects identified in this job description. Including
	+ Some exposure to basic programming of any kind
	+ Must be comfortable using a Windows-based PC platform with the Windows operating system
	+ Must be able to take instruction and adhere to programming standards as determined by your mentor
* Perform physical requirements which may include:
	+ Must be able to interact effectively with a computer for multiple hours a day
	+ Must be able to work onsite or at home through the Internet effectively
* We are looking for interns with a strong desire to explore new things within the xR (VR and/or AR) space

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

* With instruction, learn how to efficiently use the programming language assigned to you.
* Work with your mentor to formulate a strategy for solving the business problem within the software you will develop
* Must be able to stay with a project through completion
* You will be required to become proficient on one or more programming environments to assist in developing interactive training experiences; all training materials will be provided
* Must be able to dedicate a minimum number of hours per week to your personal training and the work required to deliver projects in a timely fashion