**OMIC INTERNSHIP JOB DESCRIPTION**

**JOB TITLE: CNC Programmer for Light CNC Machines**

**JOB SUMMARY**: In this role you will learn the fundamentals of designing 3D images that can be made on a mill or lathe. You will learn simple 3D modeling so that you can create an object that can be created on a CNC desktop machine. You will learn the basics of CNC programming in MasterCam so that that you can instruction the CNC machine to create the part you designed. You will be working on a team and as a team you will work on a project for a practical application. This internship will be for 20 hours per week for 8 weeks starting July 1, 2021.

**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. Including
	+ have some programming experience
	+ Must be comfortable using a Windows-based PC platform with the Windows operating system
	+ Must be able to take instruction and adhere to OMIC standards as determined by your mentor
	+ Previous work with a 3D modeling tool or work on a mill or lathe would be a plus
* Perform physical requirements which may include:
	+ Most of the work is on-sight at the OMIC facility in Scappoose, OR.
	+ But must also be able to work from home via a PC and Internet access as required
	+ Must be able to interact effectively with a computer for multiple hours a day
* We are looking for interns with a strong desire to learn how to solve a variety of business problems by employing CNC programming to instruct CNC machines to accomplish simple tasks..

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

* Learn how to use a 3D model tool to create and refine specific parts needed for a project.
* Work with your mentor to formulate a strategy for solving the business problem within the CNC development environment
* Good oral communication is required and an ability to listen to instruction from your Mentor
* You will learn to be somewhat proficient on the latest version of the MasterCAM software to assist in developing G-Code that can run a CNC lathe or mill machine; 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
* Must be able to work well on a team of people all working toward the same goals