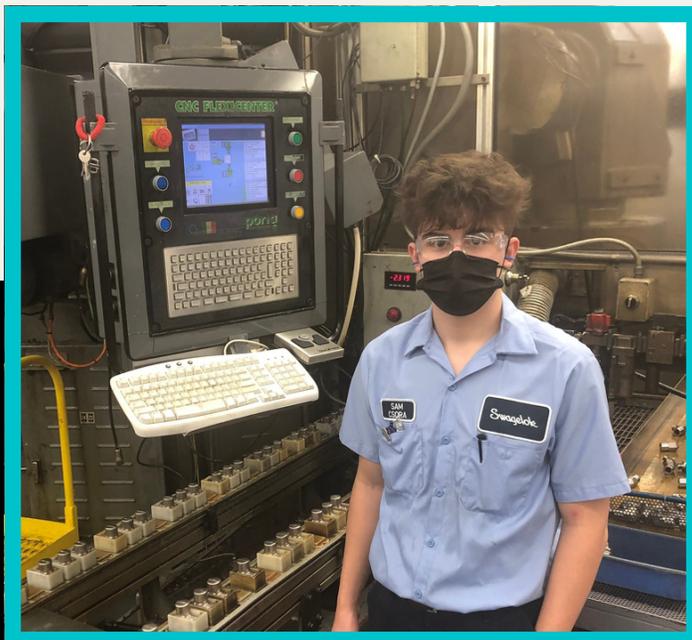


Skills for Success

I am currently working at Swagelok. Swagelok makes pipe fitting that are used in the military, NASA, Nuclear power plants, even under the bellagio fountain. there's more but those are the coolest ones to talk about. I operate a huge CNC machine, it would probably take up to 1/3 to 1/2 of the PLTW dojo.... I am using dial calipers to measure most of the stuff along with a depth mic, datum gage, no-go pins, and an optical comparator. For the machine to load the parts into this machine there is a robot, a FANUC robot. I remember learning about this company in robotics. I have learned how to teach this robot to pick up the forging (the unfinished part) and put it into the loading chucks of the machine. I have to use a controller that actually has a dead man switch just like one of the simulations we did in robotics. I am also looking and adjusting the code used to tell the machine what to do everyday. Reading the code is still taking time to learn but I think that I am getting the hang of it. There's also many different ways that I can go from this position that I'm in. I could go into maintenance, they fix the machines when they fault out, I could make way up the levels of being a machine operator and then become a department supervisor in the long run. Or Swagelok will pay for me to go to college, and as long as what I'm majoring in can be applied to Swagelok, I can go for it...I started as a temp and got hired after three months...Never thought i'd be using so many things from your class.

Samuel Csora - Class of 2020



ENGINEERING TECHNOLOGY - PROJECT LEAD THE WAY