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Weekly reflection, ethics and law week 3

What I learned is the use of MIT license, Apache license, and GPL, what the uses are for and what they are intended for. Mit license is an open license that can let you use, copy, modify, distribute, sublicense, and sell copies. As long as you preserve the copyright and MIT license you can use the license as it is. GPL is a free open source type license where you can do what you want with the code but you need to release what you changed and keep it open. Apache license is like GPL but does not require you from publishing what you changed in the code.

I think a good tool to use would be a small script for programming CNC machines for completing small details in metal working. I currently work as a tool maker so having this would be very convenient. I would use the MIT liscense because if it worked out I could later share it.

Distribution: — anyone can use, copy, modify, and distribute the tool freely, which keeps things simple for internal use or if you later decide to share it externally.

Compatibility: Widely compatible with almost all open-source and proprietary licenses, so you won't run into conflicts if the tool incorporates or is integrated with other software.

Obligations: The only real requirement is to include the original copyright and license notice in any copies.

The muddiest point in this assignment is how far the GPL's copyleft requirement extends. I understand that modified source code must stay under the GPL, but I am unclear whether that

also applies to programs that only link to GPL code. Does static vs. dynamic linking change the legal obligations for derivative works?

I will publish the differences between MIT, GPL, and apache licenses. I think it matters because there are some differences in the open sources that could give you legal trouble, or stop you from getting credit for your work or work you share.

This week I did use the help of sage to try and structure this assignment better. I used prompts to help with the muddiest points and the how to apply it sections.