CMSI 284-01, -02
COMPUTER SYSTEMS ORGANIZATION/
SYSTEMS PROGRAMMING
Spring 2020

Assignment 0121

This assignment starts up your reading for this course and seeks to set up some accounts that we'll use (if you don't already have them).

Background Reading/Viewing

Get your head into the course's subject matter by going over Khan Academy's *How Computers Work* lesson. If you have any questions from this content, feel free to ask them in class:

https://www.khanacademy.org/computing/ computer-science/how-computers-work2

The Khan Academy lesson is accurate and engaging but is fairly high-level—a bird's eye view. As we get into the deeper nuts and bolts of the subject matter, things can get pretty involved. Feel free to return to these videos periodically to retain a handle on how topics connect overall.

Another excellent video is available from Tom Scott's YouTube channel (you'll find lots of good ones there). This one gets us into the right mindset for this course:

https://youtu.be/Z5JC9Ve1sfI

There's an ad at the end which *isn't* part of the course content, although such ads do help him make additional helpful videos such as these.

What to Do

This assignment is simple, just "get this information to me," but it's still worth points so…

- If you haven't already done so, acquire a GitHub ID/account.
- Screen capture videos will be shared as invitation-only private YouTube links. Thus, if you don't already have one, acquire a Google account that can be used to access such links.

Git Software Setup & Practice

At this point, you have used GitHub to some degree in prior courses. With this course, we will use *git* as closely to "professional" as we can get it. This means using the actual *git* client from your computer, and not necessarily just the GitHub website.

Install *git* on the computer(s) where you will be doing work for this course. There are many ways to install the software, so no single set of instructions can be provided. This GitHub help page can get you going:

https://help.github.com/articles/set-up-git

Once you have *git*, find tutorials that let you practice performing operations with it, particularly *status*, *add*, *commit*, *push*, and *pull*. Create some play repositories under your account for practicing these operations. Practice with a classmate also, to get the hang of working with *git* collaboratively.

If you get stuck, ask me.

What to Submit

Because this information may be personal/private, relay your *GitHub username* and video-sharing *Google account email address* to me via Brightspace. An "assignment" has been set up for this under which you can enter the information.