1) Pick a VM configuration (in the CV project)
    a) Pick like at least 500 gb memory
    b) Remember that it charges whenever your machine is on so even if you leave the machine, make sure you terminate it in console
    c) Check allow HTTP + HTTPS traffic
2) SSH into via the GCP Console (it's the SSH button next to the VM's name)
3) Run these commands for git:
    a) sudo apt-get update
    b) sudo apt-get install git
4) Set up github username
    a) git config --global user.name "{your username}"
    b) git config --global user.email {your email}
5) git clone https://github.com/SammyAgrawal/CVProject.git
6) gsutil cp -nR gs://3d-dicty-data/2023-01-30/dicty_factin_pip3-06_processed.czi .
7) Go to gcloud console sidebar -> VPC Network -> IP Addresses -> pick yours and upgrade it to static
    a) Now go to Firewall and create a new rule
    b) Set Targets to All instances in the network
    c) 0.0.0.0/0 for IPv4 Ranges
    d) Allow all protocols + ports
    e) Make a random tag
8) wget https://repo.anaconda.com/archive/Anaconda3-2024.02-1-Linux-x86_64.sh
9) bash Anaconda3-2024.02-1-Linux-x86_64.sh
    a) Press q + agree to the terms
    b) Say yes to everything
10) source ~/.bashrc
11) export PATH="$HOME/anaconda3/bin:$PATH"
    a) You might have to run this on reboot every time but there's definitely a command to make it permanent idk what it is tho
12) jupyter notebook --generate-config
    a) jupyter --config-dir
    b) Navigate to that directory
    c) Vim into the python file
    d) Add:
        i) `c = get_config()`
        ii) `c.NotebookApp.ip = '*'`
        iii) `c.NotebookApp.open_browser = False`
        iv) `c.NotebookApp.port = <Port Number>`
13) jupyter-notebook --no-browser --port=<PORT-NUMBER>
14) Copy the link jupyter notebook gives you into your browser but change the IP from localhost to whatever IP your VM uses (it's in the console)
15) In order to use a conda environment do conda activate before you create the notebook
    a) You want to create with the requirements.txt it wont work if you try to pip insall after because of the ==

16) Use screen to run stuff in the background (like training a big model)
17) STOP YOUR INSTANCE WHEN UR DONE
18) To set up Github~
    a) In github In the upper-right corner of any page, click your profile photo, then click **Settings**.
    b) In the left sidebar, click **Developer settings**.
    c) In the left sidebar, under **Personal access tokens**, click **Tokens (classic)**.Select **Generate new token**, then click **Generate new token (classic)**.
    d) Select the scopes you'd like to grant this token. To use your token to access repositories from the command line, select **repo**. I did all repos to make it simple
    e) Click **Generate token**.
    f) Copy the token and keep it somewhere safe
    g) When you push, put the token as your password