This repository includes the following:

* The original data of images and masks to work with
* When the utilities functions in a single file, the patch\_maker file that splits the images into sub\_images, model file that has the building blocks for the different models to be trained on, and the train file that will train the models and determine which one performs the best.
* Requirements.txt that contains all the dependencies when creating a virtual environment for future users to work in.
* File scripts which have implement the edge detection technology to identify blood vessels and glands

Here is a link to my github repository

Files to run in the order of (assuming you only have the original\_data folder):

1. Patch\_maker.py
2. Train.py
3. Arteries\_Edge\_Detection.py

Can set MAX\_EPOCHS to 10 but will take hours and hours.

In Train.py look at lines 263-264 to see if only one model is being trained or if all the available models are being trained on. If all the models are being trained on, could take hours to run it all.

<https://github.com/jhan603/jhan603_p4p_womb>